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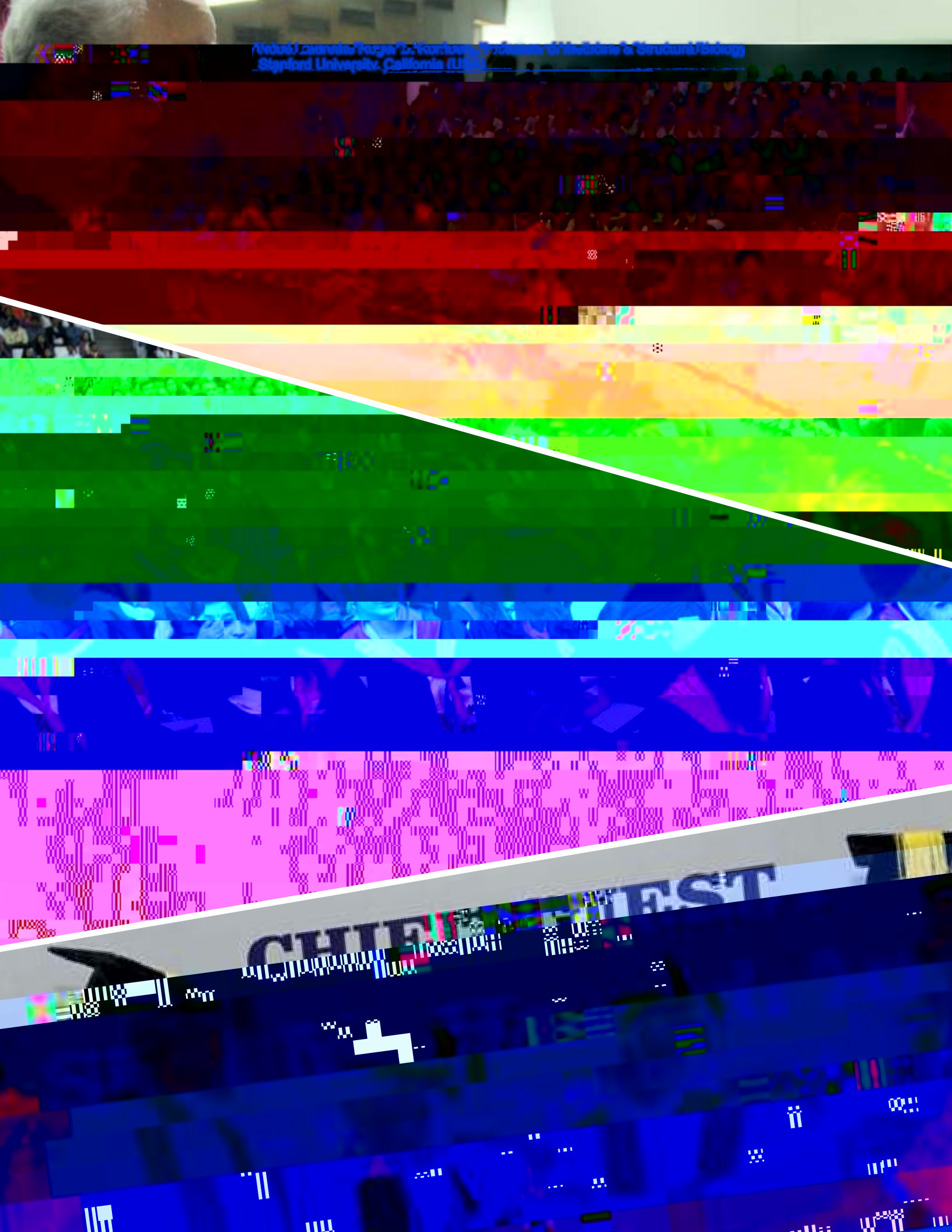




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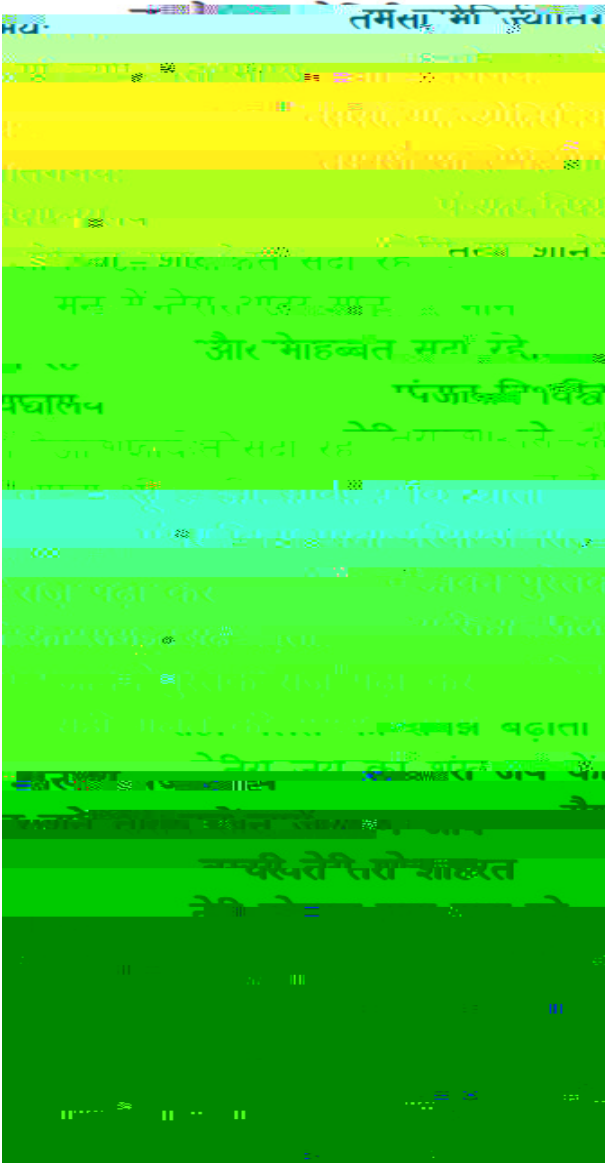
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Shaan-O-Shauqat
PANJAB UNIVERSITY ANTHEM



Tamso ma jyotirgamaya
Tamso ma jyotirgamaya
Tamso ma jyotirgamaya
Tamso ma jyotirgamaya
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Mann mein tera aadar maan
Aur mohabbat sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Tu hai apna bhavishya vidhata
Pankh bina parwaaz sikhata
Jeevan pustak roz padha kar
Sahi galat ki samajh badhata
Jeevan pustak roz padha kar
Sahi galat ki samajh badhata
Teri jai ka shankh bajayein
Roshan tare ban jaayein
Vakhari teri shohrat
Teri shohrat sada sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Tamso ma jyotirgamaya
Tamso ma jyotirgamaya

IMPORTANT INSTRUCTIONS

1. Candidates are advised to visit the website <http://admissions.puchd.ac.in> for admission related Notices, Updates and various websites for admission purposes.
2. Candidates seeking admission to select courses offered by Teaching Departments and Regional Centres of Panjab University shall fill online Admission Form, complete in all respects on or before the prescribed last date of submission of Admission Form.
3. Candidates are advised to apply for admission irrespective of the fact whether the result of the lower examination or Entrance Test has been declared or not. A candidate who does not apply till the last date, he/she will not be considered for the admission. However, a candidate whose result of the lower examination or Entrance Test has not been declared till the last date of submission of Admission Form and who applies for admission will be allowed to participate in the admission process after declaration of result.
4. Prescribed Fees, Funds and charges shall be payable by the candidates.
5. Once a candidate has been admitted to a course, his/her certificates/testimonials will be kept by the Department for registration/verification purposes. However, on written request of the candidate, certificates/testimonials can be given back to the candidate for a reasonable period.
6. Candidates seeking refund of admission fee and other charges will have to follow General Refund of Fee Rules provided in the Handbook of Information.
7. Those students who secure 1st position in General, SC/ST, Women Categories in PU-CET(UG) Entrance Test, will be exempted from payment of tuition fee during first year.
8. Students are expected to regularly attend classes/tutorials/practicals/field work etc. Rules regarding Condonation of Shortage of Lectures are listed in Handbook of Information.
9. The confidential result of the examination shall be accepted for the purposes of admission.
10. A printed copy of the result download from official website of University/Board/Institute shall be considered only if it is duly verified by the competent authority of the institute/college/university last attended. However, the candidate will have to produce original DMC/Degree within 15 days from the date of admission.
11. The admission of the candidate will be cancelled and legal action will be taken if there is any concealment/misrepresentation of information in Admission Form or in the attached certificates/undertakings/documents etc.
12. Admission to all the courses are governed by the Rules and Regulations for admission as approved by the relevant bodies of the university from time to time.
13. No student shall be allowed to be on the rolls of two-degree programmes simultaneously.
14. Admission of all such students who fail to attend at least 33% of the total lectures/tutorials/practicals etc. delivered/held in each paper during the first ten working days from the start of teaching work shall be cancelled by the Board of Control/Joint Admission Cell.

Fee to be charged for Online Application Form for Admission

Sr.No.	Particulars	Fee to be charged (Rs.)
Candidate can apply for 4 courses only on one Admission Form		
1	For online application for admission to 1 course	300
2	For online application for admission to 2 courses	400
3	For online application for admission to 3 courses	500
4	For online application for admission to 4 courses	600
Candidate intending to apply for more than 4 courses is required to submit another Admission Form		
		Additional Fee to be charged (Rs.)
1	For online application for admission to 5 th course	300
2	For online application for admission to 6 th course	400
3	For online application for admission to 7 th course	500
4	For online application for admission to 8 th course	600
Candidate intending to apply for more than 8 courses is required to submit yet another Admission Form with the above mentioned additional fee per additional course.		
50% concession to SC/ST/PwD candidates in application fee		

IMPORTANT DATES FOR ADMISSIONS**Session 2017-2018**

Class/Course	Admission without late fee	Late Admission with permission of the Chairperson with late fee of Rs.560/-	Late Admission with permission of the V.C. with late fee of Rs.2040/-
(1)	(2)	(3)	(4)
I. 1 st Year of Post-Graduate Degree Courses & Under-Graduate Degree Courses (except BE courses, and B.Sc (Hons) / B.Pharm courses under PU-CET(UG) and LL.B) and ongoing classes*	10.07.2017 (Monday) to 22.07.2017 (Saturday)	24.07.2017 (Monday) to 31.07.2017 (Monday)	01.08.2017 (Tuesday) to 14.08.2017 (Monday)
II Certificate/Diploma/Advance Diploma Courses	18.07.2017 (Tuesday) to 27.07.2017 (Thursday)	28.07.2017 (Friday) to 03.08.2017 (Thursday)	04.08.2017 (Friday) to 14.08.2017 (Monday)

* Ongoing classes of 3rd/ 5th/ 7th/ 9th semesters will start from 10.07.2017 (Monday). In case of ongoing classes, each student whose result of the lower semester/class has not been declared, shall have to seek provisional admission with an undertaking to the effect that his/her admission shall stand cancelled if he/she fails to meet the eligibility requirement(s) for promotion to the next higher semester/class as per the rules and regulations of the course. Counting of attendance for the purpose of calculation of shortage of lectures will be made from 10.07.2017. If such a candidate seeks provisional admission after this date, his/her attendance will still be counted from 10.07.2017 and not from the

Process of cancellation of admission of the students of 1st Semester who have not attended at least 33% of lectures delivered in the first 10 working days

1st day	Date of commencement of classes	10th July 2017*	24th July 2017**
10 th day	Date for collection of attendance of first 10 working days from the Faculty	21 st July 2017	4 th August 2017
12 th day	Date of display of List of Students who have not attended at least 33% of lectures and	24 th July 2017	7 th August 2017

Academic Term-II Even semesters

hub of social interaction. Gandhi Bhawan, Student Centre, the University Library and the Administrative Block are also considered part of the architectural heritage of Chandigarh, being examples of modernism in architecture as it was interpreted by Le Corbusier and those who worked with him.

Fine Arts Museum, with its series of small galleries arranged around a courtyard, each gallery having a hyperbolic paraboloid

NATIONAL COLLABORATIONS

The University has various collaborations with a number of prestigious national institutes like Indian Agricultural Research Institute, Delhi; GB Pant University of Agriculture and Technology, Pantnagar; Himalayan Forest Research Institute, Shimla; IIT, Roorkee; PGIMER, Chandigarh; Nuclear Science, Delhi; IMTECH; CSIO, Chandigarh; Institute of Nuclear Medicine and Allied Sciences (INMAS), New Delhi; JamiaHamdard University, Delhi; Atomic Energy Regulatory Board of India, Mumbai; Central University, Hyderabad; Agriculture University, Palampur; Inter University Consortium (Kolkata & Bhubaneswar).

The University also has MoUs for collaboration with, *inter alia*, ICSI New Delhi, INFLIBNET, CSKHPKV Palampur, Future Hitech Batteries Ltd. Mohali Punjab, NIPER Mohali Punjab, Terminal Ballistics Research Laboratory Chandigarh, Association of Chartered Certified Accountants, Cosmic Ray Laboratory (CRL), TIFR, Ooty, SSS-NIBE New Delhi, Dr.Harisingh Gour Vishwavidyalaya, Sagar (MP), Defence Institute of Physiology and Allied Sciences, Sarbat Da Bhala Charitable Trust, INST, Mohali, CSIR, New Delhi, IDSA.

CHANDIGARH REGION INNOVATION & KNOWLEDGE CLUSTER (CRIKC)

The Chandigarh Region Innovation & Knowledge Cluster which is a cluster of Chandigarh region institutions to promote and sustain excellence in research currently has participation from 25 prominent and well known teaching and research institutions, many of them of international fame. The CRIKC, which exemplifies the idea of having knowledge cluster/hub. The 'Meta-University', is currently headquartered at the PU campus.

RESEARCH INITIATIVES

The University is participating in various prestigious International High Energy Research Programmes at Fermilab (USA), KEK (Japan) and CERN (Switzerland). At present, the University is involved in a big way in CMS and ALICE Experiments at CERN (European Organization for Nuclear Research) Switzerland and Neutrino Programme at Fermilab, USA. The CMS (Compact Muon Solenoid) project at the Large Hadron Collider is for the discovery of Higgs Boson and other new particles. Under such International Research programs, the University had earlier been involved in the Top Quark Discovery (1995) and CP-violation discovery (2001).

PROMINENT RESEARCH FUNDING

The Department of Science and Technology, Government of India, selected the Panjab University as one among the top fourteen universities of India for further funding under the Promotion of University Research and Scientific Excellence (DST-PURSE) programme. Under this prestigious scheme, the university will receive Rs. 34.8 crore for the development of research infrastructure, which could be utilized in the period from 2014 to 2018. To participate in the CMS project, the Department of Science and Technology and the Department of Atomic Energy have provided Rs. 19 crore for the Twelfth Five-Year Plan.

In the year 2015-16, there were 84 Sponsored Research Projects from 15 funding agencies and received grant of Rs. 12,84,93,529/- and university spent Rs.11,57,62,000 for the new equipment for laboratories. An amount of Rs. 6,21,69,000 were spent on the library.

MAJOR FACILITIES

A.C. JOSHI LIBRARY: The AC Joshi Library is housed in a centrally-located and fully air-conditioned 5 storey-building with a seating capacity of 500 readers. It has over 7 lakh publications and a prized collection of 1490 manuscripts. It is fully computerized and provides access to more than 7500 online full text journals through UGC- INFONET. It is one of the six National Document Delivery Centres of INFLIBNET for data information distribution. Radio Frequency Identification Technology in the Library benefits the readers by permitting self-issue and returns of books 24x7. Recently many new services have been introduced such as Online Membership, SMS service, Digital signage system, etc. The outer reading hall of the library is open twenty four hours. For visually impaired students, the library provides JAWS software to access information displayed on the screen via text-to-speech and Zoom-Ex which turns computer into an accessible scanner, reader and magnifier.

The University has its own Website to host date-sheets, results, examination forms and online entrance and admission forms for the convenience of students/public.

BHAI GHANAIYA JI (BGJ) INSTITUTE OF HEALTH: Bhai Ghanaiya Ji (BGJ) Institute of Health caters to the medical needs of about 40,000 employees and their dependents, students of all the departments, daily wagers, contractual employees, mess and canteen workers. A round-the-clock emergency service, along with 24x7 ambulance, is available. The Institute has a fully equipped modern clinical laboratory, latest computerized ECG machine, a fully computerized digital 500mA mammographic compatible CR unit and an X-Ray machine. BGJ Institute of Health is manned by a general physician and specialists from different faculties.

courts, 8 Lawn Tennis Courts, one Cinder Lawn Tennis Court. An international standard 10 meter shooting range is also functional on PU Campus. The University has been awarded the Maulana AbulKalam Azad (MAKA) Trophy thirteen times for excellence in games and sports at the All India Inter-University level.

STUDENTS' ACCOMMODATION: There are 17 hostels (8 for boys and 9 for girls) to accommodate nearly 6700 students. There is also one Working Women hostel with a capacity to accommodate 70 residents. In addition to this, there is one International Hostel for foreign students and two sports hostels.

PANJAB UNIVERSITY COMMITTEE AGAINST SEXUAL HARASSMENT (PUCASH): It is constituted for a period of two years consisting of at least six members for redressal of complaints of sexual harassment of women employees/female

- International Students Hostel and PU Shooting Range got inaugurated this year.
- The University won the All India Inter University team Titles in Wrestling (Greco Roman) (Men), Netball (Men), Baseball (Men), Swimming (Men), Fencing (Women), Netball (Women), Handball (Women), Baseball (Women), Judo (Women) and Squash (Women). The University teams won runners-up team positions in Road Cycling (Women), Shooting (Women) and Swimming (Women).

PANJAB UNIVERSITY COLLOQUIA SERIES

Under the initiative of P.U. Colloquia, nine distinguished academicians, scientist and social scientists of national and international eminence delivered public lectures on various issues of public importance in the year 2016.

- Prof. Rakesh Tuli, J.C. Bose Fellow & Senior Research Advisor, UIET, PU Topic: “Genomics for Designing Future Life Forms”.
- Prof. Dipankar Gupta, Distinguished Professor at Shiv Nadar University & Director, CPACT Topic: “Public Space in Town Planning: Making Citizen Friendly Cities”.
- Dr. Isher Judge Ahluwalia, Economist & Chairperson ICRIER, New Delhi. Topic: “Role of Cities in India Development”.
- Prof. Bidyendu Mohan Deb, INSA Senior Scientist. Topic: “The Jewel of the Serpent: Aspects of Mathematics in Ancient and Medieval India”.
- Sh. Surendra Nihal Singh, Former Editor of The Statesman and The Indian Express. Topic: “Indian Politics: The Tipping Point”.
- Lt. Gen. K. J. Singh, PVSM, AVSM and BAR (Retd.). Topic: “Challenges to National Security and Suggested Response Strategy”.
- Prof. Pam Rajput, Professor Emeritus and former Chairperson, Government of India High Level Committee on the Status of Women in India. Topic: “Women and Sustainable Development Goals - the Indian Context”.
- Sh. Shekhar Sen, Singer, Music Composer, Lyricist, Actor and Padma Shri Awardee. Topic: “Meri Kalayatra.”
- Sh. Shiv Kunal Verma, renowned author & producer of highly acclaimed films on the Services. Topic: “Blanks on a Map.”

CAMPUS OFFICES AND ACTIVITIES DEAN OF UNIVERSITY INSTRUCTION

Professor Dinesh K. Gupta, Dean of University Instruction

The office of Dean of University Instruction (DUI) works as a nodal centre to scrutinize, supervise and synergize academic and administrative activities of teaching departments of Panjab University and its Regional Centres. The office co-ordinates and supervises various activities including admission of students to various University Departments, decides applications for exemption from payment of tuition fee, submits to the Academic Council Time-Tables of all University classes, arranges

DEPARTMENT OF YOUTH WELFARE

Dr. Nirmal Jaura, Director Youth Welfare

The Department of Youth Welfare, being an important part of the University, working for the overall development of the students, was set up in 1958 under the Directorship of Dr. K.C. Anand as Founder Director. With an objective of nurturing the young minds and for their balanced growth and development, the Department of Youth Welfare organizes a number of activities every year. As the department encourages the young students to come forward and prove themselves by participating in various creative activities in the same way the active participation of the students in these activities encourage the department to provide them more and more opportunities for their overall development. Keeping in view the above mentioned scenario the department organizes chain of activities during the period of report as Youth leadership training, Hiking Trekking and Rock climbing camp, Panjab University Zonal Youth and Heritage Festivals, Panjab University Inter-Zonal Youth and Heritage Festival, North Zone Inter University Youth Festival, All India Open National Youth Festival and All India Inter University National Youth Festival. Youth Welfare Department has recently started Students Holiday Home (Youth Hostel) Chandigarh to serve the students and teachers simultaneously Student Holiday Home at Dalhousie is also being managed by the Department.

A Literary/Cultural annual magazine “

Activities: Digital India Workshop on 20th September 2016, North East Youth Leadership Festival on 12th and 13th November 2016, Tree Plantation drives, Van Mahotsav, World Hepatitis Day, Blood Donation Camps, Teej Festivals, National Integration Day and all the other national and International weeks as directed by Ministry of youth Affairs and sports, NSS orientation Programme.

DIRECTORATE OF SPORTS

Dr. Parminder Singh Ahluwalia, Director, Physical Education & Sports

Dr. Rakesh Malik, Deputy Director, Physical Education & Sports

submission of affidavit that he/she will represent the Panjab University team State team in the Inter-University Competition/National Championship/ National games in the games for which special incentives scheme was claimed.

- d) The Special Incentives scheme will also be applicable to those sport persons who intend to take admission in P.U. Campus, Constituent Colleges of P.U. and Regional Centres or Panjab University, Chandigarh. In these cases, for special incentives scheme according their last session's performance will be considered to their eligibility in the criteria.
- e) The special incentive will be awarded only after the submission of concerned Certificate/s with undertaking of their performance and accreditation or the concerned certificate and issuing authority by Internal Olympic Committee/ Indian Olympic Association.
- f) The period of achievements will be counted from 1st July to 30th June every year.
- g) The incentives will be given to only those applicants who will submit the attested copies of their achievement certificate/s in the office of the Campus Sports for P.U. Campus student and Directorate of Sports, Panjab University, Chandigarh for other students before 30th June every year.

The following points are applicable for the sports person of PU Campus, constituent Colleges of P.U., Regional Centres of P.U., Chandigarh and all affiliated college.

- i) The sports person's leave for sports competition/coaching camps (including Journey days) recommended by the Dean of Student Welfare for P.U. Campus, students, and Directorate of Sports for other students in the games and tournaments which are recognized by Indian Olympic Association and are in the list of Association of Indian Universities for the calculation of marks for awarding MAKA trophy to the University. During this leave period the concerned sports person shall be treated as present for the assessment and for all other academic purposes.
- ii) The Provision of special examination (sessional/internal/external including practical and theory examination) as recommended by the Director Phy.Edu. & Sports should be made for the sports persons who miss the exams while participating in the sports events.
- iii) Sports persons who represent India in Senior/Junior/Youth/Cadet Categories will be given incentives as per their category.

Scheme No. (I) International Level Achievement

A person getting any of the first four positions or represented India in the Olympic Games World Championships/World Cups/ Davis Cup/Thomas Cup/Uber Cup/Para Olympic. Games/Winter Olympic Games/Champions Trophy/Commonwealth Games/ Commonwealth Championships/World University Games/World University Championships/Asian Games/Asian Cups/Asian Championships/ Asian Winter Games/Asian Olympics/Wimbledon 'Championship/US, French and Australia Open (Tennis) Championships/All England Badminton tournament/ Youth Olympic Games/One day International Cricket Matches/Cricket Test Matches/Commonwealth Youth Games International Athletic Permit Meet/Asian Youth Games/Asian Martial Art Games Asian Winter Games/SAF Games Any other Game/Sport recognized by IOA as mentioned in **Annexure-I Category-A-1, A -2 and A-3** are eligible for the Incentives mentioned in incentive Scheme (I) given below: -

Incentive Scheme (I)

1. Free education (no fee will be charged except examination fees).
2. Free hostel accommodation shall be allotted and special seats will be reserved in hostels for above mentioned category of sportspersons (No hostel fee or any other charges and exemption of mess and canteen charges maximum up to Rs. 3500/-only).
3. Free Swimming Pool, Gym facility, Tennis, Shooting and Physiotherapy

Scheme No. (II) National Level Achievement & Inter-University Tournaments/National University Games

A person getting any of the first four positions in the National Games/National Championships/ Federation Cups in Senior Category only organized by National Sports Federationups in Senior

BHAI GHANAIYA JI INSTITUTE OF HEALTH

Dr. D. Dhawan, Chief Medical Officer

'Bhai Ghanaiya Ji institute of Health' has undergone an extensive and elaborate expansion in its health facilities for its employees including retirees, their dependent children, parents and all students both day scholars, evening students and hostel inmates of this University. The existing infrastructure has been thoroughly upgraded with the high-tech latest equipments in the field of Radiology; Clinical Laboratory wings have been created. A washroom has been specifically done up for the differently-abled. The office has been automated resulting in best space use. Five new patient friendly doctors' chambers have been put to use for different specialists.

Presently, BGJ Institute of Health is manned by Chief Medical Officer (One), Ex-Additional Chief Medical Officer (Two), Medical Officer (One). Visiting consultant (One) Full Time Medical Officers on contract basis (Three), Part Time Specialists Gynecologist (One), Medical Specialist (One), Yoga Instructor (One) , Ophthalmologist (One), Pediatrician (one), and Ayurvedic Medical Officer (one).

The supporting staff consists of Chief Pharmacist (Four), Pharmacists (Two), Sister Nurse (One), Multipurpose Health Workers (Female Three) , Dresser (Two), Ward boy (One), Para Medical Attendants (Four Regular and Two contractual), Laboratory Technician (One), Laboratory Assistant (One), Cleaners (Four Regular and Two Contractual). Besides, the office is manned by Superintendent (One), Senior Assistant (One) and Clerk on Daily Wage Basis (One).

They are serving the strong community of about 50,000 (fifty thousand) consisting of students, teachers, non- teaching employees (both serving and retired) along with their dependents and the daily wagers, mess-workers, On contract

ECGs are being done with 12 channels Schaller ECG machine in a separate ECG room.

Emergency and injection room is now equipped with Nebulizers, Oxygen, an emergency medicine cabinet with all emergency drugs, injections etc.

Chronic Diseases and their drugs distribution: A separate drug dispensing area is earmarked for patients of chronic ailments e.g. Hypertension, Heart diseases, Diabetes, Epilepsy, Asthma and COPDs Osteo Arthritis etc. The employees and retirees have been benefited by this arrangement.

Revised National Tuberculosis Control Programme (RNTCP): The BGJ Institute of Health is an approved designated centre for DOTS under Govt. of India RNTCP. All patients of Tuberculosis are provided anti-tuberculosis drugs as per latest RNTCP guidelines free of cost.

Vector & Water Borne Diseases Surveillance Centre: With the collaboration of department of Health (National Vector Borne Wing) Chandigarh Administration, we are running a complete surveillance unit of malaria and dengue other vector borne diseases. Regular sprays and other preventive measures against malaria and other vector borne diseases are being undertaken. All malaria positive patients are notified to the concerned higher health authority of Chandigarh (U.T.).

Communicable Diseases and their Monitoring: Special arrangements are made every year to monitor all communicable diseases in coordination with the UT health services and to create awareness among both the employees and students. A number of cases of conjunctivitis are also reported every year. Records of patients having symptoms like cough, cold and fever are maintained separately to facilitate accurate monitoring. The staff of Institute of Health has been immunized against Hepatitis-B.

Yoga Classes: Yoga classes are being conducted regularly under the supervision of a qualified Yoga- Instructor.

- (i) 5pm to 6pm (BGJ Institute of Health Sector 14) Monday to Friday
- (ii) 6pm to 7pm (Community Centre, Sector 25) Monday to Friday

Academic and Social Activities: The Medical doctors of the Institute of Health are regularly engaged as guest and honorary faculty in the subjects of Medicine, Surgery, Sports Medicines and Exercise Physiology etc. They regularly participate in continuing Medical Education/programmes throughout the year. They have delivered lectures on medicine, Drugs, Alcohol and Substance Abuse, Health Concerns, Health and Teachers at Chandigarh Judicial Academy, Rajiv Gandhi National Law University Patiala and Kendra sangthan. (Union Ministry of Human Resource and Development) and Department of various Department of Panjab university etc.

Fee Structure for the session 2017-18

Sr. No	Session 2017-18	Tuition Fee	Mainten- ance/ User Charges	Contrib- ution to Funds	1 st Sem. Ist installment to be paid at the time of Admission (i.e	2 nd Sem. 2nd Install- ment
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One year post Graduate Dip.In Disaster Mgt & Sec.	25465	1372	4825	18930	12733
3 months executive certificate course in Dis. Mgt & Sec	12740			12740	
One year post granduate Dip.in Home Land Security	15280	1372	4825	13837	7640
M.Phil	12740	1372	3555	11297	6370
M.Sc.(FSC) (Open)	60390	2812	3965	36972	30195
M.Sc.(FSC) (In Service)	71940	2812	3965	42747	35970
PG Dip in Advertising & Public Relations, Hindi & Punjabi Journalism	25465	1372	4765	18870	12733
MBA (All streams)	233640	1372	4765		

Master in Remote Sensing & GIS	34980	1372	4765	23627	17490
Masters in Disaster Mgt	37290	1372	4765	24782	18645
Professional Counsling and Psychotherapy	31515	1372	4765	21895	15758
Psychological Testing	31515	1372	4765	21895	15758

M.Ed (Gen)	3780	1852	4765	8507	1890
M.Ed (Evening)	4380	1852	4765	8807	2190
M.PED	3780	1852	4765	8507	1890
M.Phil (Arts)	3780	1372	3555	6817	1890
M.Phil Science & Psychology	3780	1852	3965	7707	1890
Certificate/Diploma/Advance Diploma Courses	2940	1372	3210	6052	1470
Diploma in Translation English/Hindi/Panjabi	2940	1372	4825	7667	1470
Diploma in Pre-School Education	12740	1372	4825	12567	6370
Diploma in Forensic Science & Criminology(Anth.)	4380	1852	3965	8007	2190
Diploma in Education Management	4380	1852	4825	8867	2190
Diploma in Export Management	13775	2042	4485	13415	6888
Diploma in Advance Scientific Computation	10870	8712	4825	18972	5435
Post M.Sc.(One Year) Special Course Accelerator (Physics)	2940	2812	4765	9047	1470
Post Grd. Dip. In Research Methodology & Statistics	12740	1372	4765	12507	6370
P.G. Dip. In Buddhist Studies	3770	1372	2825	6082	1885
P.G. Dip. in Women's Studies	Fee to be announced later				
i) Indian National	25905	4252	4765	21970	12953
ii)Sponsored Candidate Govt. Inst.	18865	4252	4765	18450	9433
iii) Foreign Students	101510	4252	4765	59772	50755
Hobby Classes in Music	4380			4380	
LL.B (3 Years Course)	4500	1372	4515	8137	2250
B.E.(Chemical/Food Tech.)	8495	5207	4765	14220	4248

II Departmental Fund

1. L.L.M one year Course	1. Law Review fee	1000/- p.a.
	2. I Card Fee	40/- p.a.
	3. Library and Reading Room fee	3500/- p.a.
	4. Dinner & Social Function Fee	1000/- p.a.
	5. Computer Lab Charges	3000/- p.a.
	6. Legal Aid Fee	150/- p.a.
	7. Visit to other Educational Institute.	2500/- p.a.
	8. Special Lecture Fee	1500/- p.a.
	9. Up keeping Institution Fund	2500/- p.a.
	10. Seminar and Conferences	4500/- p.a.
	11. Law Alumni Fee	1000/-p.a.
	12. Convocation Fee (at Entry Level)	1000/- p.a.
	13. Library Security (Refundable)	1000/-p.a.
Dissertation and term fee Charges		
1. Dissertation fee	2000/-	
2. Term paper Fee Extension Fee of dissertation after due date	1500/-	
A) For Six months	1210/-	
Extension Fee of dissertation after due date		
1. For three months	750/-	
2. University Institute of Emerging Area in Science & Technology	M.Tech Nano Science & Nano Technology	3750/- per sem. Contingency
3. University Institute of Applied Management Science	MBA i) Retail Mgt ii) Banking & Insurance iii) Telecommunication & I.T. iv) Infrastructural Management v) Pharmaceutical Management vi) Hospital Mgt	10,000/- Summer Placement
4. University Institute of Hotel & Tourism Management	i) B.Sc. in Hospitality & Hotel Administration ii) B.Sc. in Tourism Management	3,000/- p.a. student activities fund
5. University Institute of Fashion Technology & Vocational Development	i) B.Sc. in Fashion & Life Style Technology ii) M.Sc. in Fashion & Life Style Technology	Rs. 5000/- per sem Charges for display exhibition other fashion events to be given to UIFT for organizing such events
6. Panjab University, Chandigarh, P.U. R.C Ludhiana & SSGPURC, Hoshiarpur (B.A. LL.B (Hons) Five years integrated course)	i) Library & Computer Fund ii) Practical Training fund/Moot Fund iii) Law Review/ Magazine Fund iv) Placement Fund v) Social Function Fund vi) Visit to other educational/ justice institutional Fund vii) Special Lecture Fee viii) Educational & Cultural Exchange Fund and Alumni Membership Fee ix) Up keeping of Institution fund x) Library Security (Refundable)	3000/- p.a. 2000/- p.a. 200/- p.a. 500/- p.a. 500/- p.a. 500/- p.a. 500/- p.a. 500/- p.a. 600/- p.a. 1500/- p.a. 250/-p.a.

7.	1. University Institute of Legal Studies 2. P.U.R.C.Ludhiana (L.L.M one/two year Course)	i. Library & Computer Fund	5000/-p.a.
		ii. Practical Training fund/Moot Fund	5000/- p.a.
		iii. Law Review/ Magazine Fund	1000/- p.a.
		iv. Placement Fund	500/- p.a.
		v. Social Function Fund	500/- p.a.
		vi. Visit to other educational/ justice institutional Fund	2000/- p.a.
		vii. Special Lecture Fee	5000/- p.a.
		viii. Educational & Cultural Exchange Fund and Alumni Membership Fee	1500/- p.a.
		ix. Up keeping of Institution fund	5000/- p.a.
		x. Convocation Fee	1000/- p.a.
		xi. Identity Card fee Library Security (Refundable)	100/- p.a. 5,000/- p.a..
8.	Physics	Post M.Sc. (One Year) special course Accelerator Physics	Rs. 2500/- p.a. (Contingency)
9.	University Institute in Emerging Area in Social Science	M.A. in Social Work	Rs. 7000/- (one time field work experience)

III Fee structure for Foreign National/PIO/NRI Candidates admitted against the seats created for them in some teaching Departments:-

Sr. No	Class/Course	Tuition Fee US \$	Development Fund US\$	Total Fee US\$		
1.	University Business School					
	(i) M.B.A. (Gen IB, HR, Executive) (ii) M.Com. (Hons.)	6430 1815	715 200	7145 p.a. 2015 p.a.		
2.	Computer Science & Application					
	(i) M.C.A. (ii) M.C.A. Evening (iii) M.Sc. (Hons)	4900 4375 1835	545 485 205	5445 p.a. 4860 p.a. 2040 p.a.		
	3.	Dr. S.S. Bhatnagar University Institute of Chemical Engg. & Tech				
	(i) B.E. (Chemical) (ii) B.E. with MBA (iii) M.Tech. (Polymer) (iv) M.Sc. (Ind Chem) (v) M.E (Chemical)	6125 4375 3680 1835 3665	680 485 410 205 405	6805 p.a. 4860 p.a. 4090 p.a. 2040 p.a. 4070 p.a.		
	4.	University Institute of Pharmaceutical Sciences				
		(i) B.Pharm (ii) M.Pharm (iii) M.Pharma (Drug Discovery & Drug Development pharmaceutical)	3680 3665 Rs. 546975/-	410 405 Rs. 60775/-	4090 p.a. 4070 p.a. Rs. 50,000/- as Contingency (ii) only Rs. 607750/- p.a.	
		5.	B.Sc. (H.S) Science Deptt. Anthropology, Botany, Chemistry, Geology, Mathematics, Physics & Zoology	1220	135	1355 p.a.
		6.	B.Sc. (H.S) Basic Medical Science Deptt. of Bio-Chemistry, Bio-Physics & Microbiology	1835	205	2040 p.a.

7. ~~MSc~~ (2DB0007521666Sc.Biochemistry, Biophysics & Microbiology) q 10 0 S 1 SCN 540 6909.6 m 80.16909.6 l 20. 0 g

23	University Institute of Emerging Areas in Science & Technology			
	i) M.Sc. (Microbial Bio-Tech)	131275	14585	145860 p.a.
	ii) Master in Public Health	1815	200	2015 p.a.
	iii) M.Sc. in System Biology & Bio Informatics	2410	270	2680 p.a.
	iv) M.Sc. in Nuclear Medicine (Bio-Phy)	1815	200	2015 p.a.
	v) *M.Sc. in Medical Physics	1815	200	2015 p.a.
	vi) M.Tech Nano Science & Nano Tech	3665	405	4070 p.a.
	vii) M.Sc in Stem Cell & Tissue Engg	131275	14585	145860 p.a.
24	University Institute of Fashion Technology & Vocational Development			
	(i) B.Sc. in Fashion & Life Style Tech	3610	400	4010 p.a.
	(ii) M.Sc. in Fashion & Life Style Tech	3665	405	4070 p.a.
25	University Institute of Hotel & Tourism Management			
	(i) B.Sc (HHA & TM)	3610	400	4010 p.a.
27.	Psychology (Post M.A. Diploma one Year)			
	(i) Professional Counseling & Psychotherapy	1835	200	2035 p.a.
	(ii) Psychological Testing			
28.	Physics			
	i) B.Sc. (H.S) in Physics & Electronics	2190	245	2435 p.a.
	ii) M.Sc.(H.S) in Physics & Electronics	3665	405	4070 p.a.
29.	University Institute of Applied Management Science (MBA)			
	i) Retail Mgt			
	ii) Banking & Insurance			
	iii) Telecommunication & I.T.	5,46,975	60,775	6,07,750 p.a.
	iv) Infrastructural Management			
	v) Pharmaceutical Management			
	vi) Hospital Mgt			
30.	University Institute of Emerging Area in Social Sciences			
	i) M.A. (Social Work)			
	ii) M.A. (Police-Administration)	1815	200	2015 p.a.
	iii) M.A. (Human Rights & Duties)			
31.	M.Phil Courses (Arts/Science)	1200	150	1350 p.a.
32.	Defence & National Securities Studies / Life long learning & extension			
	(i) PG Diploma in Disaster Management & Security	1080	120	1200 p.a.
	(ii) PG Diploma in Homeland Security			

35.	Fee for Direct Admission of Students Abroad (DASA) DR. SSB UICET/UIET	3600	400	4000 p.s.
	(i) Nationals of SAARC Countries are eligible for 50% tuition fee waiver and will have to pay \$2000 towards 1 st and every subsequent semesters and			
	(ii) For children of Indian workers in Gulf Countries the fee is at par with resident citizens. The fee of US \$700 has been charged towards tuition fee by DASA for one semester will be adjusted in the 1 st installment as applicable to resident students of UIET & DR. SSB UICET.			

IV Tuition Fee for Foreign Nationals (Whether person of Indian origin) or not and applying for General Category Non- Reserve seats.

		Tuition Fee (p.a.) U.S.\$	
1.	First Degree Courses		340
2.	Master Degree Course/M.Phil		685
3.	Certificate Course		220
4.	Post Graduate Diploma/Advance Diploma Course		685
5.	Diploma Course in Translation		340
6.	Diploma Course in Forensic Science & Criminology	76,560	To be charged in two installment

V Tuition Fee for Professional Courses for Foreign Nationality Students whether person of Indian Origin or not and applying for General Category Non-Reserved seats.

		Tuition Fee (p.a.) To be charged in two installments	
1.	LL.B (3 year course)		26,760
2.	B.E. (Chemical & Food Tech) / M.Tech (Micro-Electronics) UIET		93,240
3.	B.E. (UIET)		81,000
4.	B.Pharmacy		93,240
5.	M.Sc. (Bio-Tech)/M.Tech (Instrumentation)		93,240
6.	M.Tech (Polymer) / M.Sc. (Industrial Chemistry)		1,53,720
7.	MBA/MBA(IB & HR)		1,84,080
8.	M.E. (Chemical)		1,53,720
9.	MCA		1,53,720
10.	M. Lib & Inf. Science		47,760
11.	LL.M		47,760
12.	M. Pharmacy		1,84,080
13.	M.A (Journalism & Mass Communication)		63,000

Maintenance/User Charges

1.	(i) Admission Fee	250
	(ii) Admission Fee (LLM one year) Law	2000
	(iii) Admission Fee (B.A/B.com LLB/LLM UIES/LDH/HSP)	1050

2.	Dilapidation Fee	
3.	World University Service Fund	
4.	Medical Fee	
5.	Campus Cleanliness	1322 p.a. (All teaching Departments)
6.	Service Tax Fee 1 p.m.	3012 p.a. (LLM Law)
7.		2122 p.a. (UILS, Ldh)

9.	P.U. Alumni House & Scholarship Fund	20 p.a.
10.	NSS	25 p.a.
11.	Amalgamated Fund	
12.	Amalgamated Fund	1460/- For Semester System 1520/- For Annual System

Development Fund

(a)	Students studying for Professional Courses	2090 p.a.
(b)	Students studying for Science Courses	1290 p.a.
(c)	Students studying for other Courses	880 p.a.
(d)	Students studying for LLM one year course (Law)	2930 p.a.
(e)	Students studying for B.A/B.com LLB/ LLM one or two year course (UILS/Hsp/Ldh)	6630 p.a.
(f)		

2. In addition to tuition fees, the students shall pay Registration fee US \$ 715 or US \$ 485 as the case +all other dues and charges to the Panjab University as payable by other students of the same class belonging to same category in foreign currency or in Indian Rupees as per university Rules and Regulations.

IMPORTANT NOTE:-

- That Rs 1 p.m. all the students Registered with P.U as a Service Tax and property Tax levied by the Chandigarh Administration.
- All the students at the time of initial enrolment to Panjab University courses on the campus or in the affiliated Institution shall pay Rs. 20/- towards P.U. Alumni House and Scholarship Fund. The money collected by the Affiliated Institution shall be remitted to the said Fund. 20% of the amount so collected by distributed proportionately for award of Scholarship to the University and College students.
- The other charges of Short-term courses the fix charge will be recovered in full other charges on the monthly basis shall be charged as per the duration of the course per month.
- An extra fees of Rs. 4,940/- p.a. be charged from each student obtaining optional paper (671) Numerical Analysis and computation in M.Sc. Math and pass course at the 2nd year level.
- The fee in 3rd year of M.Sc. in Medical Physics during internship period shall be 50% of the 2nd year.
- Forms complete in all respect for grant of any type of fee Concession (i.e. Student Aid Fund, Poverty Basis, Brother-Sister, Ward of P.U. Employee/Freeship, etc must be received in the University office Accounts Branch-II (Students Section) by 30 November 2017 along with requisite documents. No further intimation/Circular will be issued in this regard. Fee concession forms/refund of fee forms will be available on the P.U. website (www.puchd.ac.in)
- Three months executive certificate course in Disaster Mgt in Security (kept on hold from the admission 2015) as per syndicate Para 19 dated 08.03.2015.

GENERAL REFUND OF FEE RULES

I. Departments where waiting list is being prepared

In this case, the fee refund cases be considered as per the provisions conveyed by the UGC vide Notification No. F.No. 1-3/2007 (CPP-II) dated 23.4.2007 relevant part of which is as under :-

“In the event of a student/candidate withdrawing before the starting of the course, the waitlisted candidates should be given admission against the vacant seat. The entire fee collected from the student, after a deduction of the processing fee of not more than Rs.1000 (one thousand only) shall be refunded and returned by the Institution/ University to the student/candidate withdrawing from the programme. Should a student leave after joining the course and if the seat consequently falling vacant has been filled by another candidate by the last date of admission, the institution must return the fee collected with proportionate deductions of monthly fee and proportionate hostel rent, where applicable.”

Departments where no waiting list is being prepared and the admissions are being done on the basis of merit in the various counselling sessions.

The fee refund cases under this category shall be dealt with as under :-

(i) Students leaves before the last counselling

Full fee deposited by the student shall be refunded after deducting Rs. 1000/- as processing charges and proportionate deduction depending upon the period he remained on University roll.

(ii) Students leaves after last counselling

(a) Full fee deposited by the students shall be refunded after deducting Rs. 1000/- as processing fee and proportionate deduction **in case full seats were not filled up in the last counselling.**

(b) 50% of the fee deposited by the student shall be refunded after deducting Rs. 1000/- as processing fee and proportionate deduction, **in case full seats were filled up in the last counselling.**

(c) In case, the department has **provision for admission after the last counselling date (e.g. lateral entry or migration)** then the balance 50% of fee deposited by the student shall also be refunded in case the seat vacated by the student in the last counselling is filled up thereafter after producing a certificate from the Chairperson/Director of the concern Department in this regard.

(Vide Syndicate Para 12, dt. 4-12-2009)

Note :-

1. The proportionate deduction may be calculated on the basis of number of days from the date of admission of the student i.e. on the day he/she deposits fee and becomes on the roll of the College/ Department/Institute till his leaving the course. This deduction will be in addition to the processing fee of Rs. 1000/-.
2. For this purpose, he/she must apply for refund on the prescribed refund application form through the Head of the Department to the Assistant Registrar Accounts-II.

That the time-period for applying refund of fee by the students be fixed up to 30th November. Refund forms will be available at the P.U. Website forms.puchd.ac.in

3. But in all other Cases of the students continuing their studies, the Library Security will be refunded if he/she will apply within six months from the date of leaving the Department/Institute/Centre/Regional Centre after completing the full course of studies.

II. Refund of Fee Rules of NRI Category and Foreign Nationals

1. In case, the candidate is admitted in the Foreign/NRI category and leaves the course & the seat vacated by a candidate is filled by granting admission to another applicant against the vacated seat, the tuition fee may be refunded to the person after deduction of 10% of the tuition fee as administrative charges. In case a seat vacated by such a candidate is not filled, the tuition fee may be refunded after deduction of 25% of the tuition fee as administrative charges. This will be applicable only in the case where the candidate has left the University Department/Institute/ Centre/Regional Centre & did not join any other course in the Panjab University. All other funds and charges including Development Fund, in no case, shall be refunded. For this purpose, he/she must apply for refund on the prescribed refund application form through the Head of the Department to the Assistant Registrar Accounts-II. That the time period for applying refund of fee by the students be fixed up to 30th November. However, all other funds & charges including development fund, shall not be refunded under any circumstances, except refundable Library Security.
2. If a student originally gets admission in a University Department/Institute/Centre /Regional Centre under Foreign/NRI category or in General/Reserve Category and leaves the same for joining another course in the same Department or another Department/Institute/ Centre/Regional Centre in the Panjab University during subsequent counselling of Foreign/NRI category or in General/Reserved Category, his/her tuition fee, registration fee and other charges including Development Fund shall be adjusted on admission in the later course/Department/Institute /Centre/Regional Centre in the same session only. If there is any excess amount still left after the fee adjustment i.e. balance sum if any, shall be refunded after a deduction of Rs.500/- (Rs. five hundred only) as Administrative charges.

Provided :-

- (i) If a student is shifted from NRI/Foreign to General/Reserved category then the Registration Fee and Development Fund already charged from such students shall be refunded fully in case the seat vacated by such NRI/Foreign student is filled by the another same category.
- (ii) In case the seat vacated by NRI/Foreign student in consequence of his/her shifting to General/Reserved Category is not filled by any other candidate of same category then the Registration Fee & Development Fund already charged from such student shall be adjusted in the same Department/Institute/Centre only to the extent of the Registration Fee & Development Fund as applicable to the General/Reserved student in the same session only the balance of Registration Fee & Development Fund shall neither be adjusted/carried forward nor be refunded any circumstances.
- (iii) In case due to unavoidable circumstances, on shifting to another course in the same Department or another Department/Institute/Centre/Regional Centre of the Panjab University a student has again deposited the tuition fee, development fund and other charges in the later Department/Institute/Centre/Regional Centre of the Panjab University, his/her tuition fee and other charges deposited in the earlier Department/ Institute/Centre/Regional Centre shall be refunded as per (i) and (ii) above.
- (iv) The 'Excess Fee' deposited by the ongoing student/s shall be refunded after a deduction of Rs.500/- (Five hundred) as administrative charges as in case of freshly admitted students under Rule no. 2.
(Vide Syndicate Para 26, dt. 4-1-2014, 16-1-2014)
- (v) For adjustment/refund, he/she must apply on the prescribed refund application form for adjustment/refund of the tuition fee and other charges as the case may be within 15 days from the date of shifting to another

Department/Institute/ Centre/Regional Centre through the Head of the later Department to the Assistant Registrar Accounts-II.

(vi) However no carry forward/adjustment of fee shall be allowed in the subsequent session/class/year if the duration of the course is more than one year. No refund of fee shall be allowed after the expiry of the said 15 days' period.

(vii) The fifteen days shall be counted from the date of his/her latest shifting i.e. whichever is later.

III. The shifting of a NRI candidate to General/Reserved category seat is allowed strictly on merit only during the current session/year up to the date of the last counselling. Even if some seat falls vacant after the date of last counselling during the same session/year, it shall not be allowed to fill up. It shall also not be allowed in the next/subsequent session/year under any circumstances even if there may be vacant seats in the department/institute/regional centre under General/Reserved quota seats in the said class/course.

IV. A student who pays tuition fee in advance for the entire course or a term, but is not selected for admission to a class, shall be entitled to a refund of whole fee provided he/she claims the refund within a period of three months from the date fixed for admission.

V. A student who has paid fees in advance for a term and who does not join or withdraws his name after having been admitted to a class, shall not be entitled to the refund of tuition fees for the month/s for which his name remains on the rolls of the class.

VI. If a student is admitted provisionally pending declaration of the lower examination result, the fees for the period his name remains on the rolls of the department/college shall not be refundable. In case he fails in the lower examination, such fees may be adjusted if he decides to continue his studies in the lower class.

(IV, V, VI Cal. Vol. 2009 at Page No. 581)

VII. No fee be refunded to the ongoing student/s who left the course in the mid of the course i.e. 2nd semester and thereafter including those who were admitted with late fee/charges in any course in the Teaching Department/Institute and its Regional Centre & later wished to withdraw or left his/her seat in the 'mid of the course'.

(Vide Syndicate Para 26, dt. 4-1-2014, 16-1-2014)

VIII. Adjustment of Tuition Fee & other charges in the next semester/session of UIET and University Institute of Legal Studies/Institutes and all other classes.

(Vide Syndicate Para 51 dt. 29-6-2010)

- (1) tuition fee be charged semester-wise but other charges be taken annually e.g., Development Fund, Sports Fund, etc. which are not refundable/adjustable;
- (2) if a student was not permitted to attend the class of a semester due to one or the other reason, he/she be not asked to pay the fee for the said semester, if already paid, only rejoining fee/ charges be charged from him/her
- (3) if a student attended any class/es of the semester where he/she has been declared 'detained' at the time of the start of the semester, he/she would be charged again whenever he/she becomes eligible and attends the class again;

Tuition fee will be charged for twelve months in a year (i.e. from July to June)

The tuition fee etc. for the full academic year will be collected by the University Office, through its SBI Extension Counter in two installments as under on specified dates.

The name of the admitted students will be brought on the rolls of the class on production of receipt of full dues paid otherwise their admission shall be held null and void.

Each student is required to pay tuition and other fees in two installments i.e. one at time of the admission and the 2nd during 10th November to 30th November. Students who are absent, or on leave, on the prescribed dates will arrange to deposit their dues for the 2nd installment through someone. The names of such students who will not deposit 2nd installment of tuition and other fees shall be struck off the rolls of the Department w.e.f. 1st December and shall not be allowed to attend the classes. Their admission forms for the University examinations shall not be forwarded to the University also.

Students whose names have been struck-off for non-payment of dues for the 2nd installment can seek re-admission through the Chairperson of the Department concerned within one month from the date of their names are struck off and they shall be

5. The wife of a University employee who is not working but is studying in a University College/Department or has enrolled herself with the Department of Correspondence Studies will be granted fee concession as available to sons/daughters and dependent sisters or brothers of an employee.
6. From the examinations of 1988; the refund of examination fee on passing a University examination be granted to all class-B and C employees only, irrespective of the limit of pay.
7. The dependent sons/daughters of retired University employees shall also be entitled to the fee concession on the same basis as admissible to the dependent sons/daughters of in-service University employees.
8. (i) The fee is granted by Syndicate at its meeting held on 13-12-2010 Vide Para-17 as under:
“that 25% tuition fee concession be granted to serving University employees and their wards and also to the wards of retired University Employees studying in self financing courses.
- (ii) This decision was extended by Senate Vide Para XXIV Dated 4-4-2010 item No. 19(ii) and Syndicate Para 27 dated 15 & 25-4-2013, respectively as under :-
 - (a) “that the concession of 25% tuition fee in self-financing courses be extended to the wards of College teachers of affiliated colleges studying in the University other than NRI category, it be paid out of the College Development Council Fund”.

(Vide Senate Para XXIV dt. 4-4-2010)

(b)

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- (ix) On shifting from one Course to another, a student, if provided tuition fee concession in the previous Course, will be entitled to claim the said concession in the latter course only if the said concession is available in the latter course.

10. Guidelines for grant of fee concession to the students, whose both parents are not surviving and there is no source of income and those whose father has expired and mother is not able to bear his/her expenditure towards studies.

(Vide Syndicate Para 27 dated 29-2-2012).

Following documents/Information shall be submitted by the student and verified by the Department:

1. Concession be applicable for tuition fee only.
2. Proof of Death be submitted by the candidate.
- 3.

Scholarships/stipends admissible to the Campus Students out of Special Endowment Trust Funds

S. N.	Departments	Descriptions of Scholarship Name of the Scholarship out of Special Endowment Trust Funds
1.	Anthropology	Prof. (Dr.) S.R.K. Chopra Scholarship: To be awarded to topper in B.Sc. (Hons.) Final

11. Hindi

Prof. I.N. Madan: To M.A. Part II students as Memorial Scholarships (for 10 months) (each) detailed below : (i) One Scholarship to the Department student standing 1st in class i.e M.A. I (Hindi) (ii) One scholarship to a student standing 1st in M.A. I (Hindi) Exam. in the Panjab University. @ Rs. 250/-p.m. each for 10 months

Kamal Gupta Memorial Scholarship: To a student of M.A., on Merit-cum-Means basis @Rs. 100 p.m. (for 10 months)

Late Mrs. Pushpa & Sh. G.L. Chojar Memorial Scholarship: To be awarded to a girl student specially-13.88 9 Tf 27.8398 0 T072ic -0.1237 Tc ,famiy-13he2thout distincti049anscaste.

14.	Mass Communication	Tara Chand Gupta Memorial Scholarship: On Merit-cum-Means basis @Rs. 400 p.m.(for 10 months)
15.	Mathematics	Smt. Balwant Kaur & Sh. Dhanpat Roy Behl Scholarship: To a meritorious and deserving Post-graduate student@ Rs. 1500 p.a.(fixed)
		Prof. Hans Raj Gupta Memorial Scholarship: For a student B.Sc. (Hons) 1st year class on the basis of written and viva- voce test @Rs. 2000 p.a.(fixed)
		Late Prof. V. C. Dumir Scholarship for Mathematics Excellence: To be awarded to the meritorious student of M.Sc. (Hons.) Ist year and would be continued to that student for M.Sc. (Hons.) 2nd year after examining his/her performance@ Rs. 1000/- p.m.(for 10 months)
16.	Medical College 32	Dr. Prabha Chaudhry Memorial Scholarship: To be awarded to a deserving student (Preferably female) of M.B.B.S. course in final M.B.B.S. Part I & II classes on the basis of Merit-cum-means @Rs. 500 p.m. (for 10 months)
		Darshi Gupta Memorial Scholarship: To award lumpsum amount of Rs. 8000/- p.a. to final year medical student in the University of Panjab who is bright & is finding it difficult to complete the course.
		Dharmpal Sarla & Ramesh Bansal Charitable Trust: Two scholarship of Rs. 1000/- p.m. each will be awarded to the economically weak & promising students in the field of Medicine in any affiliated colleges of the Panjab University for the entire duration of course.
		Smt. Sandhaya Devi Memorial Scholarship: To be awarded to a girl student who stands first in 1st year of MBBS examination in first attempt amongst all the girls students in Govt. Medical College Sector-32, Chandigarh @ 7000/- p.a.
17.	Medical College-32/PGI	Chanderlekha Sharma Memorial Nursing Scholarship: To be awarded to a student of B.Sc. Nursing 1st year on the basis of merit in the entrance test @ Rs. 400/- p.m. for the duration of entire course.
18.	Philosophy	Late Mrs Saubhagya & Prof. Prem Nath Mem. Sch.: 1. All four Scholarships be awarded to M.A. students2. 'One' Scholarship in the M.A. 1st year be awarded to the student for standing 'first' in the list of admitted students.3. 'Second' Scholarship be awarded to the student of M.A. 1st year who is both needy and meritorious4. 'Third' Scholarship in the M.A. 2nd year be awarded to the student who secured highest marks in the M.A. 1st exam.5. 'Fourth' scholarship be awarded to the student of M.A. 2nd who is both needy and meritorious.6. An amount of each Scholarship would be Rs. 1,000/- p.m. for 10 months.7. Each Scholarship will be recommended by the Academic Committee of the Philosophy Department every year
19.	Physics	Prof. K.N. Lakshminarayan Memorial Scholarship: For a student who secures first division & first position in B.Sc. (Hons.) without having any reappear @Rs. 200 p.m.(for 10 months)
		S. Shiv Charan Singh Scholarship: On Need-cum-Merit basis for a poor student (Hons) @Rs.150 p.m. (for 10 months)
		Wing Commander S.L. Malhotra Scholarship: To a deserving student who joins the M.Sc. (Hons.) on Merit-cum-Means basis@ Rs. 200 p.m.(for 10 months)
		Dr. B.M. Anand and Mrs. Ram Lubhia Anand Scholarships: One to a student admitted in B.Sc. I (Hons.) on the basis of merit and the other to the most needy student of any class of Physics (Hons.) @Rs. 500 p.m. (each) (for 10 months)

		Prof. P.S Gill Memorial Scholarship: Two scholarships @ Rs. 6000/- p.a. each to be awarded to M.Sc.(Hons.)-II Physics/ M.Sc.(Hons.)-II Physics & Electronics students on the basis of their performance in both the semester of M.Sc.(Hons.)-I, Physics/ M.Sc.(Hons.)-I, Physics & Electronics
20.	Sanskrit	Sh. Charu Dev Shastri Endowment Fund: For standing 1st and 2nd in the subject of Sanskrit Stipends in the B.A. and wishing to do M.A. @Rs. 300 p.m. (for 10 months) (each)
		(i) Late Parameshwara Nand & Smt. Gayatri Devi: To be awarded to a student for standing First in M.A. Sanskrit Part I @ Rs. 700/- p.m. (for 10 months)
		(ii) Late Smt. Padma Sharma: To be awarded to a student of for standing 'Second' in M.A. Sanskrit Part I Exam @Rs. 700/- p.m. (for 10 months)
21.	Sanskrit Colleges	Ragunath Chawla Memorial Scholarship: Three scholarships to be awarded to the students of Shastri Part I, II & III class of the institution affiliated/ associated with Panjab University @ Rs. 150/- p.m. each for 10 months.
22.	Sociology	Baba Prithvi Singh Azad Scholarship: One Scholarship of Rs. 300/- p.m for 10 months shall be awarded to a student of M.A. Part II, having obtained the highest marks in M.A. Part I.
23.	UICET	I.I. CH.E. Scholarships: To be awarded to one student of each under-graduate @ Ist year Rs.1000 p.a., @ IInd year Rs.1100 p.a., @ IIIrd year Rs.1200 p.a., @ IVth year Rs.1300 p.a.
		Mai Partap Kaur Scholarship: On Merit-cum-Means basis to a student hailing from rural areas of Punjab State (Preferably) @Rs. 200 p.m. (for 10 months).
		Sh. Rajinder Mohan Kumar Memorial Scholarships: Two scholarship pe paid to the students on Merit-cum-Means basis @Rs. 500 p.m.(for 10 months) (each)
		Amrit Kaur Khurana Memorial Scholarship: For student on Merit-cum-Means basis who is:-i) a needy person pursuing studies in Chem. Engg. for B.E Chemical.ii) seriously interested in education,iii) has passed all the examination in first attempt &iv) has obtained atleast 60% marks in all the examinations @Rs. 150 p.m.(for 10 months)
		Thakur Dattc 2149987 Tw (234.6 Tm -0.5497s549987 34.6 Tm ad Scholarship6125.120

24. UIET

Shanti Rai Sahni Scholarship: To be awarded to a needy and meritorious student who seek admission in Ist year Electronics and Communication Engg. at P.U. Chandigarh @ Rs. 1000/- p.m. (for 10 months)

Late Abhishek Sethi Memorial award: To be given to one topper student of securing highest aggregate marks from all the courses @Rs. 30,000/- p.a.

(i) Mrs. Udham Kaur Menon Educational Scholarship To a girl student of B.A./B.Sc.

11.	History	Jiwan Mal Malhotra Gold Medal in M.A. examination, on alternate year, to the best candidate on the basis of result of two years. Rajiv Verma I.P.S. Gold Medal for standing first in M.A.
12.	Indian Theatre	Prabhat Memorial Gold Medal to a student for standing first in M.A. examination
13.	Laws	Kartar Singh Chadha Gold Medal for standing first in the LL.B. examination. R.B. Badri Dass Silver Medal for standing first in the LL.B. final Examination. Shri Gurbachan Singh Aggarwal Memorial Gold Plated Silver Medal for standing first in Civil Procedure Code/Company Law in LL.B. class in alternate years. Dr. J.N. Kaushal Gold Medal for standing 1st in the LL.B. Examination as a whole passing at the first attempt and at one and the same sitting. Dr. Paras Diwan Memorial Medal to the topper of the LL.B. Course. Dr. Kirpal Singh Gold Medal to a student standing first in LL.M. every year.
14.	Library and Information Science	Dr. Jagdish Saran Sharma Memorial Gold Medal for standing first in the Master Sarika and Surinder Mahant Gold Medal to the student receiving First class first in M.Lib. & Information Science (Two year integrated Course) examination.
15.	Mathematics	Prof. Hans Raj Gupta memorial two silver medals to the best graduate students of M.Sc. (Hons.) and M.Sc. 2 year course. Pt. Hem Raj Memorial Medal for standing first in the Final B.Sc. (Hons.) Examination
16.	Music	Pt. Tejpal Singh Bandhu Gold Medal: to be awarded to the topper of M.A. Vocal Examination.
17.	Physics	Sh. & Smt. Khushi Ram Kahol Memorial Gold Medals: one for the student who passes through M.Sc. successfully in the first attempt and obtains highest marks in Solid State Physics course offered in M.Sc. II . and another medal to the student who gets the 1st position in first attempt on completion of the M.Sc. programme. Late Grandfather Sardar Sher Singh Satauria- DASHMESH PITA Gold Medal: for securing highest marks in M.Sc. (Medical Physics) and pursuing Ph.D. in the Medical Physics/Genetics Studies.
18.	Political Science	P. Sundarayya Gold Medal: for M.A. final Political Science examination, offering the optional paper of Marxism at any level. Late Prof. Iqbal Nath Chaudhary Memorial Gold Medal: to a student standing first in M.A. (Political Science) Annual System. Late Sh. J.C. Anand Gold Medal: to the topper of the M.A. 1 st year (Semester system) in Western Political thought paper (I & II) every year. Late Principal P. L. Anand Memorial Gold Medal: to a student standing first in M.A. (Semester System).
19.	Sanskrit	S.J. Jindal Trust Gold Medals: for standing first in Prajna, Visharad, Shastri and Acharya. S.J. Jindal Trust Silver Medals: for standing second in Prajna, Visharad, Shastri and Acharya. Smt. Raj Suri Gold Medal: for passing M.A. and obtaining highest marks amongst the students who have studied Group (A) Veda (Paper III) Vedic Samhitas (Paper IV) Brahmina & Vedanga in M.A. final year.
20.	UICET	Arun Modi Gold Medal: for standing first in the Final Chemical Engineering Examination. Prof. I.S. Gupta Gold Medal: for Chem. Engg. & Tech. student for securing highest marks in Technology paper III of both V & VI semesters (All combined) of B.Chem. Engg. Examination. Om Gupta Gold Medal: for standing first in B.E. (Chemical Engg.) final examination.

21. UIPS	Punshi Narain Devi Vidyawati Charitable Trust Gold Medal: to a student who obtains the highest marks in Industrial Pharmacy paper of B.Pharmacy examination.
	Mrs. Gian Harkishan Singh Pharmacy Medal to a girl student securing the top marks/grades, the aggregate of all the University examinations passed in first attempt during her studies leading to B.Pharmacy degree of the University.
22. Dr. Harvansh Singh Judge Institute of Dental College	Dr. Harvansh Singh Judge Institute of Dental Sciences and Hospital Award of Medals: To be awarded to three final year students on graduation who could not get the Gold Medal with the following conditions: a) Performance and behavior is certified to be satisfactory by the principal of the institute. b) Candidate is among the top 10% in the final year results. c) Candidate must have minimum 90% attendance in each of the four year of BDS course d) Candidate must have passed all the examinations during the 4 years of the BDS course in Dentistry in first attempts.
23. Botany	K.K. Nanda Gold Medal: for Ph.D. Research in Plant Sciences.
24. General Gold Medals	Smt. Pritam Devi Rampal Memorial Silver Medal: to a girl student standing first in the final B.Sc. (Home Science).
	Sherie Doonga Ji Silver Medals: for Tc /R8 14r Medals:

		4. Entries shall be submitted in a sealed cover in the manner prescribed below by registered post to the Registrar, Panjab University, Chandigarh by name not before the 14th but not later than the 30th day of August each year. On the outer cover the candidate shall simply write "Prem Chand Medal" and inside it, there shall be two sealed envelopes one marked "Prem Chand Short Story Entry" having in it the story with only the candidate's pseudonym, but no means of identification such as his name, address; University Department/College, Roll No. or the like; the other marked 'Candidate's Identity' having in it his name, Father's name, address, University Department/ College, University Roll No. and the pseudonym adopted by him; in this cover he shall also enclose a certificate from the Head of the Department/College certifying the short story to be the candidate's unaided work.
		5. All contestants shall certify in writing that the short story is written by him/her and it shall be countersigned by the Head of the University Department or by the Principal of the College concerned.
		6. The Head of the Hindi Department shall suggest panel of five names out of which the Vice-Chancellor shall select two to act as judges for evaluating the best short-story for the year.
		7. The decision of the judges shall be final.
		8. The medal shall be awarded at the annual Convocation of the University.
		9. The copyright of the story accepted for Medal shall rest with the University, which may publish it.
		10. No one shall be eligible for the award of the medal for more than once.
26.	Gold Medal for Dr. Hazari Prasad Dwivedi Essay Contest on Emotional Integration of the Country.	1. In order to promote literature for the Emotional Integration of the country an essay contest in the medium of English, Hindi and Punjabi shall be held annually. The contest shall be open to all bona-fide students of the University, reading in Degree and Post-graduate classes in the University Teaching Departments and colleges affiliated to the University.
		2. A gold medal shall be awarded for the essay adjudged best and shall be presented at the University Convocation.
		3. An essay not exceeding 6000 words neatly typed or handwritten shall be submitted in duplicate for the contest.
		4. Entries shall be submitted in a sealed cover in the manner prescribed below by registered post to the Registrar, Panjab University, Chandigarh, by name, not before the 14th but not later than the 30th September, each year. On the outer cover the candidate shall simply write "Dr. H.P. Dwivedi Essay Medal" and inside it there shall be two sealed envelopes : one marked 'Dr. H.P. Dwivedi Essay Entry' containing the candidate's essay with the candidate's pseudonym, but no indication such as his name, address, University Roll Number or the like; and the other marked 'Candidate's Identity' containing his name, Father's name, address, University Department/College, University Roll Number and the pseudonym adopted by him. In this cover he shall also enclose a certificate from the Head of the Department/College to the effect that the essay is the candidate's original work.
		5. The University shall appoint a Committee of 3 Judges to assess the essay in English, Hindi and Punjabi, whose judgement shall be final.
		6. Should the Judge consider it necessary, that may, at their discretion, ask the competitors to appear for a Viva Voce or Written test before giving their final award.
		7. As essay submitted for the contest shall become the property of the University and may be published by the University.
		8. No one shall be eligible for award of the essay medal more than once.

27. General Gold Medals	<p>Dr. Prabha Chaudhary Memorial Gold Medal: To be awarded to a student for standing first in the subject of obstetrics & Gynaecology in the final Professional MBBS Part II Examination.</p> <p>Late Smt. Ram Prakash Gupta Memorial Gold Medal: To be awarded who (i) Has obtained at least first division in M.A. I & II as a whole. (ii) Stood first in M.A. I as a whole. (iii) Passed all the papers of both M.A. I & II in the first attempt.</p> <p>Late Smt. Khajani Devi Gold Medal: To be given every year to the student who secure maximum marks in the subject of Anatomy in first Professional MBBS exam. in the first attempt.</p> <p>Institute of Chartered Accountants of India Gold Medal: To be awarded to a student securing first rank in B.Com. (Hons.) examination or B.Com. (Pass) examination.</p> <p>Late Sh. M.L. Tondon Gold Medal: To be awarded to the topper of the M.Com. (Hons.) programme every year.</p> <p>President of India Dr. Shankar Dayal Sharma Gold Medal: To be awarded to a student adjudged best of general proficiency including character, conduct & excellence in academic performance extra curricular activities & social services.</p> <p>Hari Ram Arora and Bhajan Kaur Arora Medals: To be awarded for Best Paper Awards in the Science Subjects for young researchers (Students, Post-docs, Faculty).</p>
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1. **Scheme of Post Matric Scholarship for OBC Students by the Govt of India/State Govt/U.T. Admn. Studies in India.**
Those candidates belonging to OBCs so specified in relation to the State/Union Territory to which the applicant actually belongs, i.e. is permanently settled, who have passed the Matriculation or higher secondary or any higher examination of a recognized university or Board of Secondary Education and who belong to a family having income not exceeding Rs. 1 lac per annum are eligible.
2. (i) **Scheme of Post Matric Scholarship for student belonging to Minority Communities for Studies in India.**
Scholarship will be awarded to the students who have secured not less than 50% marks or equivalent grade. In the previous final examination and the annual income of whose parents/guardian from all sources does not exceed Rs. 2.50 lakh.
(ii) **Only Scheme of Merit cum Means based Scholarship for students belonging to Minority Community i.e. www.momascholarship.gov.in.**
3. **Financial Assistance to students for SC/ST categories under the budget head improvement of education, Sub head for providing Subsidy/Grant/Assistance i.e. Rs. 10 lac. The income criteria for grant of Financial Assistance to SC/ST student of the teaching departments is Rs. 2.50 lac. (Income limit Rs. 2.50 lac) & other formalities like Post-Matric Scholarship.**
4. **The following scholarships are to be given to students belonging to Scheduled Caste and special grants to girls belonging to Scheduled Castes.**
The girls belonging to the Scheduled caste whose parents income does not exceed Rs. 60,965/- shall be given an extra benefit of Rs. 50/- per month and Rs. 60/- per month at post graduate level.
(i) Post-Matric Scholarship Scheme of the Govt. of Punjab
Those students belonging to the Scheduled Castes whose parents/guardian are the permanent residents of Punjab State and are studying in any recognised college in any part of India are entitled for scholarship, provided that the

**CENTRAL PLACEMENT CELL, PANJAB UNIVERSITY, CHANDIGARH
APPLICATION FORM FOR SCHOLARSHIP – SARBAT DA BHALA CHARITABLE TRUST**

Please tick the category applied for:

1. Economically weaker section
2. Differently abled Student
3. Students/families affected by natural disaster
4. A student who has lost his/her father

Affix recent
passport size
photo attested
by Chairperson/
Director

1. Name of the applicant _____
2. Department _____ Class _____ PUPIN NO. _____
3. Mobile No. _____ E-mail id _____
4. Father's name with address _____

5. Total Family annual income from all sources _____
(Authentic proof to be attached: Income certificate from Employer / Revenue Authorities and Affidavit)

6. Educational Qualifications: University Annual / 1st/2nd Semester: _____
Examination (Last qualified): Year of Passing _____ Roll No. _____
Marks Obtained _____ Max. Marks: _____ %age of Marks: _____

7. Details of the family members:

	Number	Age	Self supporting	Education
Brothers				
Sisters				
Other Dependents				

8. Scholarships/Stipends/Financial Assistance/Fee Concession (if any) being availed (Yes/No) _____
Details _____

CERTIFICATE

(to be signed by the student)

I hereby solemnly declare that the particulars given by me in the application are corrected to the best of my knowledge and belief. I further declare that I will intimate the Department/University, If I am granted any Scholarship/Stipend and Fee Concession after the submission of this application.

Signature of the applicant with date

CERTIFICATE

(To be signed by the Chairman/Director of the deptt.)

Certificate that the particulars filled in by the student have been verified from the admission form of the student and other record of the Department and found correct.

Signature of the Deptt. Official

Recommendation of the Chairman/Director of the Department.

Signature of the Chairman/Director of the Deptt. with official stamp

Rules for Condonation of Shortage of Lectures

As per UGC norms 75% of attendance is mandatory. The Departments are to follow the process listed below to ensure that the rules framed for attendance are implemented in letter and spirit:

- i) Cases of those students who have not attended at least 33% lectures/tutorials/practicals etc. shall not be considered for condonation of shortage of lectures at all. This shall not be applicable to the candidates falling under '(C) (b) i'
- ii) Attendance is to be counted from the date of admission in case of the student of first semester/year and for all ongoing classes attendance is to be counted from the date of start of teaching notified by the Dean of University Instruction.
- iii) Every department has to calculate shortage of attendance at 75% of total lectures/ tutorials/practicals etc. delivered/held every month as per the regulations of the course.
- iv) Teachers to submit cumulative attendance, with shortage at 75%, latest by 5th of every month to the Chairperson.
- v) The Department to upload the same on the Online Notice Board of the Department latest by 15th of every month and send a copy of the same to the office of the DUI for information.
- vi) All cases of shortage of attendance, complete in all respect, must reach the office of the DUI, at least three days before the commencement of end-semester examination.

For calculating total semester-end shortage of attendance, Chairperson has the power to condone only a fixed percentage (or fixed number) of lectures/tutorials /practicals etc. delivered/held as per the regulations of the respective course. This power of condonation of shortage of attendance, as enshrined in the regulations of each course, has to be exercised judiciously for medical reasons, and for participating in cultural/sports/other activities for which detailed procedure has been outlined at '(C) (a) & (C) (b) i)' or for any other exigency which the student might have faced. Further, the students covered under '(C) (b) (i)' can be given a further credit of an equal number of lectures delivered and tutorials, practical classes etc. held during the period he was away to participate in such an activity subject to the stipulated requirements and the limit of credit under this clause.

In addition, as per the decision of the Senate (12.10.2003, Para XXIII), the Vice Chancellor, on the recommendation of the Board of Control and for the reasons to be recorded, can condone shortage of lectures upto another 10 lectures delivered in various paper (s) to the best advantage of the candidate.

Further, the Syndicate has the power to condone lectures in various paper(s), for the reasons to be recorded, in cases of extreme hardship as outlined at '(D)'

Further, Departments are to ensure compliance with the requirements of Regulatory Agencies, viz., AICTE/BCI/ DCI/MCI / NCTE/PCI/AERB etc.

(A) First ten working days from start of teaching

Ensure that first semester students are monitored for attendance in the first ten working days of start of teaching.

Admission of all such students who fail to attend at least 33% of the total lectures/tutorials/practicals etc. delivered/held in all the papers during the first ten working days from the start of teaching work shall be cancelled by the Board of Control/Joint Admission Cell after following the procedure given below:

- i) By the 12th day after the start of classes for a particular course, the names of those students who fail to attend at least 33% of the total lectures / tutorials / practicals etc. shall be put up on the Notice Board and online Notice Board of the Department and also send a copy of the same to the office of the DUI. Within 4 days of the date of such notice, a student who is short of attendance may give in writing the reasons for his absence from the classes.
- ii) If a student does not submit an application in writing within the prescribed time as stated above, or the reasons adduced by the student in his application are not found to be sufficient and justified in the opinion of the Board of Control/Joint Admission Cell, his admission shall be cancelled.
- iii) All the seats thus falling vacant shall be filled strictly in the order of merit from the waiting list or through subsequent counselling before the expiry of the last date fixed for admissions by the University.
- iv) When the admission of the student(s) is cancelled as stated above, the Department shall display on the Notice Board and online Notice Board, the list of the person(s) next in the waiting list and make admissions accordingly.
- v) Approval of cancellation of admission and permission to fill up the cancelled seat(s) to be sought from the DUI.

Note: *It is obligatory on the part of students to keep in touch with the Department concerned for the possibility of the seats to fall vacant.*

Note: The time period mentioned above under i), ii), and iv) shall have an overriding constraint of completing whole of the process of making the Medical Certificate available with the Department, forwarding to and verification of the same by the Chief Medical Officer before the final case of shortage of attendance is sent by the Department to the office of the DUL

(b) Cultural/Sports/Other Activities:

- i) A student who participates in Inter-University or University or Inter-Collegiate Tournaments or Youth Festivals or National and International Tournaments or similar other activities or NCC, or University educational excursions or N.S.S. or in any activity where a student has been deputed by the University (not by the department) be allowed credit for an equal number of lectures delivered and tutorial, practical classes etc. held during the period he was away to participate in such an activity ***provided the student proceeds with prior permission of the head / Chairperson / Principal concerned.***
- ii) For cultural activities of the University or Intra-Department activity conducted by the Department or educational e

I. FACULTY OF ARTS
DEPARTMENT OF ANCIENT INDIAN HISTORY,
CULTURE AND ARCHAEOLOGY

ABOUT THE DEPARTMENT

The Department was established in 1961. Since then it has been actively engaged in both teaching and research. The Department provides practical training to budding archaeologists. The Department has carried out extensive field work through explorations/excavations. The main sites excavated by the Department are Sugh near Jagadhari, Mitathal in Hissar, Mahorana in Sangrur and Pallanpur in Roopnagar. The Department has excellent collection of antiquities in the Museum both for teaching and research. Organizing Seminars and lectures on significant and emerging trends in our discipline is the rich tradition of the Department. The Department is committed to the vision of comprehending past with rationality, objectivity and critical perspective.

FACULTY

Designation	Name	Field of Research Specialization
ANDBOOK		

Paper-6	Indian Architecture	Paper-6	Indian Architecture
Paper-7	Sculpture	Paper-7	Sculpture
Paper-8	Iconography	Paper-8	Iconography
Semester-III		Semester-IV	
Group A	Archaeology	Group A	Archaeology
Paper-I	Prehistoric Archaeology	Paper-III	Protohistoric Archaeology
Paper-II	Archaeological Methods, Techniques and Early Historic Archaeology	Paper-IV	Techniques of Archaeological Excavation, Recording and Early Historic Archaeology
Group-B	Epigraphy and Numismatics	Group-B	Epigraphy and Numismatics
Paper-I	Paleography & Epigraphy	Paper-III	Palaeography & Epigraphy
Paper-II	Numismatics	Paper-IV	Numismatics
Group-C	Greater India	Group-C	Greater India
Paper-I	Central Asia and China	Paper-III	

compulsory component of field work of two days in a week, thus providing an enormous exposure to students about the structure and functioning governmental, non-governmental organizations, institutes and communities in rural, urban and slum set ups.

PLACEMENTS: The Placement Cell of the department endeavors to offer placement services to the students.

ALUMNI RELATIONS: The department remains in touch with old students by inviting them in get-togethers where they share their experiences.

CENTRE FOR POLICE ADMINISTRATION (UNIVERSITY INSTITUTE OF EMERGING AREAS IN SOCIAL SCIENCES)

ABOUT THE CENTRE

The Course on Police Administration was started in the Centre for Emerging Areas in Social Sciences, Panjab University from the Academic Session 2007-08 and was upgraded to the status of an independent Centre for Police Administration as part of the University Institute of Emerging Areas in Social Sciences (UIEASS) in 2010. The Programmes in Police Administration have been conceived with a view to:

- i. provide quality human resources with relevant knowledge on Police issues;
- ii. fulfill the ever increasing requirements of security agencies;
- iii. undertake research on various aspects of Policing for generating knowledge and suggesting improvements to Police establishments;
- iv. conduct Training Programmes for the Police Personnel to sensitize them about the recent developments and

COURSES OFFERED (SEMESTER SYSTEM)

Course Seats

M.A.

Semester-I		Semester-II	
Paper-1	National Security Conceptual Aspect	Paper-1	Defence Aspects of International Relations
Paper-2	Concept and Theories of International Relations	Paper-2	Strategic Aspects of India's Security
Paper-3	Art of War	Paper-3	Modern Strategic Thought
Paper-4	Armed Forces and Society	Paper-4	Research Methodology
Semester-III (Opt any one from optional papers)		Semester-IV (Opt any one from optional papers)	
Paper-1	Science, Technology & National security (compulsory)	Paper-1	Regional Security and Cooperation in South Asia (compulsory)
Paper-2	Area Study China (compulsory)	Paper-2	Defence Economics (compulsory)
Paper-3	Dissertation (compulsory)	Paper-3	Area Study Pakistan (compulsory)
Paper-4	Indian Military History (Optional)	Paper-4	Major Conflicts in post Cold War Era (Optional)
Paper-5	Indian Ocean and India's Maritime Security (Optional)	Paper-5	Non-Traditional Dimensions of India's Security
Paper-6	Major Conflicts during Cold War Era (Optional)	Paper-6	Internal Security Challenges of India

P.G. Diploma in Disaster Managememe Tf 1 0.00229715 Tc 39.6 0 H

New Delhi and former Vice-Chancellor, Jawaharlal Nehru University, New Delhi). Many distinguished economists have served as faculty members in the past. Chair Professorships are vital for maintaining the highest quality faculty as they

TITLES OF SYLLABI: Detailed syllabi available at <http://puhd.ac.in/syllabus.php>.
B.A. (Hons.)

- 304 (ii) Economics of Industry-I
 (iii) Basic Econometrics
 (iv) Economics of Population OR Economics of Human Resource Development
 (v) History of Economic Thought

- 404 (ii) Economics of Industry-II
 (iii) Mathematical Economics
 (iv) Economics of Money & Banking OR Economics of Financial Markets & Institutions
 (v) Advanced Econometrics

THRUST AREAS: Public Policy, Agricultural Economics, Industrial Economics, International Economics, Development Economics and Money and Banking.

PLACEMENTS: The Department has a Placement Cell in place. Our students are placed in consultancies, Think Tanks, Research Institutes besides Academics and Civil Services.

ALUMNI RELATIONS: Department is running an Alumni Cell.

DEPARTMENT OF GANDHIAN AND PEACE STUDIES

ABOUT THE DEPARTMENT

The Department was established in 1965. At present the teaching work is carried out on the premises of the Department of Gandhian and Peace Studies. The library of the Department is housed in the Gandhi Bhawan, so are the research scholars' work tables. The seminars & special lectures are held in the seminar room of the Department & auditorium of the Gandhi Bhawan. The Department started M. Phil Programme in 1978 and M.A. in Gandhian and Peace Studies in 1984-85. The Major activity of the Department besides teaching, is to encourage research on various aspects of Mahatma Gandhi's Life, Philosophy & Work and allied fields. Our courses reflect the inter-disciplinary approach and that is why it attracts a large number of researchers from abroad. Further, a MoU has also been signed between the Panjab University and Fayetteville State University, North Carolina at 1200 Murchison Road, Fayetteville, NC 28301 (USA) and in that from January to April on every Tuesday/Thursday, the Department offers a Global Class via online internet through synchronous video/audio tools with active student engagement in the learning process and provision of exchange programme also from both sides of teachers and students.

FACULTY

Designation	Name	Field of Research Specialization
Professor (Re-employed)	Manohar Lal Sharma	Gandhi's Social, Political and Economic Thought, Non-violence and Peace Studies, Rural Development and Panchayati Raj
Assistant Professors	Manish Sharma	Non-violence, Peace Studies and Conflict Resolution Life, Work and thought of Mahatma Gandhi Research Methodology, Panchayati Raj and Rural Development
	Ashu Pasricha (Chairperson)	Gandhian Thought, Non-violence, Peace Studies and Conflict Resolution, Human Resource Development, Disaster Management, Research Methodology, Rural Development and Panchayati Raj

TITLES OF SYLLABI: Detailed Course Curriculum is available at <http://puchd.ac.in/syllabus.php>

M.A.

Semester-I		Semester-II	
Paper-1	Life and the Making of Gandhi	Paper-1	Gandhi and Freedom Movement
Paper-2	Political Thought of Mahatma Gandhi	Paper-2	Economic Thought of Mahatma Gandhi
Paper-3	Peace Studies	Paper-3	Conflict & Conflict Resolution
Paper-4	A Study of Texts	Paper-4	Social Thought of Mahatma Gandhi
Paper-5	Gandhi in Globalized World	Paper-5	Gandhi And World Peace
Semester-III		Semester-IV	
Paper-1	Research Methodology	Paper-1	Human Security and Disaster Management
Paper-2	Conflict Management and Transformation	Paper-2	Social Work and Social Reforms in India
Paper-3	Legacy of Peace Building : Mohandas Karamchand Gandhi, Martin Luther King (Jr.), Daisaku Ikeda, Abdul Ghaffar Khan, Development	Paper-3	Gandhi, Rural Development & Panchayati Raj in India
Paper-4	Gandhi, Ecology and Sustainable Development	Paper-4	Field Work Project Report
Paper-5	Gandhi and Social Problems	Paper-5	Gandhi, Human Rights and Duties

THRUST AREAS: Life and Work of Mahatma Gandhi, Socio-economic and Political Thought of Mahatma Gandhi, Sustainable Development, Peace Studies, Conflict Resolution, Rural Development, Panchayati Raj, Freedom Movement, Human Security, Social Work, International Relations and Organizations, Women's Empowerment and Disaster Management.

DEPARTMENT OF GEOGRAPHY

ABOUT THE DEPARTMENT

Established in 1960, the Department has the distinction of running three mutually supportive post-graduate courses in Geography, Remote Sensing & Geographic Information Systems and Disaster Management. It holds eminence as a centre of quality teaching, research and training. Supervision up to the level of Ph.D. is also offered. In recognition of its regular outstanding accomplishments over the years, the Department was conferred the status of Centre of Advanced Study by the University Grant Commission in 2009. It is also the Headquarter of the Association of Population Geographers of India. It publishes a journal, Population Geography, the first and only one on the theme in the country. The Department has a well equipped and updated Library, state-of-the-art Computer, and GIS Lab. It focuses on field work and educational trips. It is in close association with organizations like Survey of India, NRSC Hyderabad, Census of India, ICSSR and a number of State Governments. It organises UGC sponsored National Seminars and Refresher Courses in Geography for College/University Teachers and short term Training Programmes for college and school teachers in Remote Sensing and GIS. Professionalism is a part of overall learning here.

FACULTY

Designation	Name	Field of Research Specialization
Professor Emeritus Professors	Gopal Krishan	Population Studies, Urban Geography, Administrative Geography
	Smita Bhutani	Population Geography: Women & Sustainability
	Dhian Kaur	Agricultural Geography, Environmental Studies
	Krishna Mohan	Regional Development with Special Focus on Backward Areas, Disaster Management, Remote Sensing & Geographic Information System
Associate Professors	Karanjot Kaur Brar	Environmental Studies, Natural Disaster Studies, Remote Sensing & Geographic Information System, Climate & Sustainability Issues
	Ravinder Kaur (Chairperson)	Regional Development, Urban-Rural Relation, Policy Studies
	Gaurav Kalotra Simrit Kahlon	Population Geography, Remote Sensing & Geographic Information System Urban Geography, Population Geography, Cultural & Environment Geography, Remote Sensing & Geographic Information System
Assistant Professors	Navneet Kaur	Agriculture Geography & Horticulture
	Vishwa Bandhu Singh	Disaster Studies, Climate Change, Mountain Environments & Remote Sensing & Geographic Information System

DEPARTMENT OF GURU NANAK SIKH STUDIES

ABOUT THE DEPARTMENT

Semester-III

Paper-9	Philosophy of Religion-III (POR-09)
Paper-10	Jainism (JAN-10)
Paper-11	Islam & Sufism (INS-11)
Paper-12	Study of Sikh Scripture and Literature III (SSL-12)

Semester-IV

Paper-13	Hermeneutics of Religion (HR-13)
Paper-14	Christianity (CHR-14)
Paper-15	Study of Sikh Religion IV (HSR-15)
Paper-16	Religion of Modern India (RMI-16)

- Paper -3 Any one of the following
- Opt. (i) Cultural History of Ancient India
 - Opt. (ii) Sacred Centres in Indian Civilization
 - Opt. (iii) Medieval Indian Art and Monuments.
 - Opt. (iv) Gender Relations in Modern India
 - Opt. (v) Diaspora in Colonial India (In abeyance till further orders)
 - Opt. (v) Science, Technology & Medicine in Colonial India (In abeyance till further orders)
- Paper -4 Any one of the following
- Opt. (i) Constitutional Development in Modern India, 1773-1947
 - Opt. (ii) National Movement in India 1858-1947
 - Opt. (iii) British Policy and Princely States (In abeyance till further orders)
 - Opt. (iv) Contemporary India 1947-1992
 - Opt. (iii) Religious Developments in Medieval India
 - Opt. (iv) Islamic Traditions of Medieval India
- Paper -4 Any one of the following
- Opt. (i) Dalit Movements in Modern India
 - Opt. (ii) Working Class Movements in Modern India
 - Opt. (iii) Peasant Movements in Modern India
 - Opt. (iv) Socio-Religious Reform Movements in Modern India
 - Opt. (v) History of Caste and Caste Politics in Modern India (In abeyance till further orders)

THRUST AREA: Study of the broad North-Western Region in terms of polity, economy, society and culture since the earliest times in a pan Indian, integrated and inter-disciplinary perspective.

PLACEMENTS: The students are placed in Academics, Judiciary, Civil Services at the Central and State level particularly in the states of Punjab, Haryana, Himachal and Delhi. Many students work for the media and defence services.

ALUMNI RELATIONS: The department has produced a number of academicians holding the positions Vice Chancellors at various Universities, Eminent Judges of High Courts, Session Courts and District Courts, Civil Servants holding the highest position as Secretaries in various departments, Eminent Journalists, Police personels of the rank Director-Generals and SSP and very eminent Art Historians. The Alumni of the Department have been decorated with Padma Vibhushan, Padma Shree and have headed various commissions.

INSTITUTE OF SOCIAL SCIENCES EDUCATION AND RESEARCH

ABOUT THE INSTITUTE

University-Institute of Social Sciences Education and Research (ISSER) was established as an innovative five year programme in 2015. This course comprises of a 3 year BA Hons. and 2 year MA , with an exit option after the first three years. The programme provides a multi-disciplinary foundation for an overall perspective on contemporary society at the undergraduate level, with further specialization at the post graduate level, to inculcate a holistic and interdisciplinary orientation towards the social sciences to encourage social analysis and research.

FACULTY

Designation	Name	Field of Research Specialization
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BA (Hons.)

Semester -I		Semester -II	
1.1 BA	Discipline Specific Core Papers	2.1 BA	Discipline Specific Core Papers
ENG 101	English	ENG 202	English
Geo 101	Introduction to Geography	Eco 201	Economics: Key Concepts and Theories-1
HIS 101	History of India up to 1200 AD	PUB 201	Public Administration : Key Concepts and Theories
POL 101	Political Science: Key Concepts and Theories-1	GEO 202	Geography of India
SOC 101	Sociology: Key Concepts and Theories	HIS 202	History of India 1200-1750 AD
1.2 BA	Choice Based Credit Electives (any Two)	2.2 BA	Choice Based Credit Electives (any Two)
PBI 101	Punjabi	PBI 201	Punjabi
HCP 101	History and Culture of Punjab from the Earliest times to 1849	HCP 202	History and Culture of Punjab 1849-1966
PSY 101	Introduction to Psychology	POL 202	Indian Constitution
GTH 101	Introduction to Gandhian Thought	PHI 201	Introduction to Philosophy
1.3 BA	Skill Enhancement Papers	2.3 BA	Skill Enhancement Papers
CAP 101	Computer Applications	ENG 203	Academic Writing Skills
Semester-III		Semester-IV	
3.1 BA	Discipline Specific Core Papers	4.1 BA	Discipline Specific Core Papers
ENG 303	English	ECO 403	Indian Economy
ECO 302	Economics: Key Concepts and Theories 2	PUB 403	Personnel and Financial Administration
PUB 302	Indian Administration	POL 403	Indian Government and Politics
POL 302	Political Science :Key Concepts and Theories 2	HIS 403	History of India 1750-1947AD
SOC 302	Society in India	SOC 403	Social Change in Modern India
3.2 BA	Choice Based Credit Electives (any Two; ENV Compulsory)	4.2 BA	Choice Based Credit Electives (any Two)
ENV 301	Environment Studies	PSY 402	Elements of Psychology
GNR 301	Introduction to Gender Studies	PHI 402	Indian and Western Ethics
HOA 301	Introduction to History of Art	HRD 401	Introduction to Human Rights and Duties
3.3 BA	Skill Enhancement Papers	PAD 401	Introduction to Police Administration
GEO 303	Basic Cartography	4.3 BA	Skill Enhancement Papers
REM 301	Research Methodology in Social Sciences	STA 401	Basic Statistics
Semester- V		Semester -VI	
5.1 BA	Discipline Specific Core Papers (4 papers of any one discipline)	6.1 BA	Discipline Specific Core Papers (4 papers of same discipline as in Semester V)
GEO 501	Geography of Punjab	GEO 601	Cartography 2
GEO 502	World Regional Geography 1	GEO 602	World Regional Geography 2
GEO 503	Geographic Thought	GEO 603	Introduction to Geospatial Technology
GEO 504	Environmental Geography	GEO 604	Fundamentals of Human Geography
HIS 501	World History 1	HIS 601	World History 2
HIS 502			

HIS 504 Economic History of Modern India

ECO 501 Economics of Industry

ECO 502 Intermediate Micro Economics 1

ECO 503 Intermediate Macro Economics 1

ECO 504 Development Economics -1

PSY 501 Educational Psychology

PSY 502 General Psychology

PSY 503 Experimental Psychology

PSY 504 Psychological Testing

POL 501

HIS 604 Socio Cultural History of India Under Colonial Rule

ECO 601 International Economics

ECO 601 Intermediate Micro Economics 2

ECO 602 Intermediate Macro Economics 2

ECO 603 Development Economics 2

PSY 601 Life Skills

PSY 602 Counselling Psychology

PSY 603 Industrial Psychology

PSY 604 Defence Mechanisms

Semester-III		Semester-IV	
Paper-1	Indian Political Thought-I (Compulsory)	Paper-1	Indian Political Thought-II (Compulsory)
Paper-2	Comparative Politics-II: Understanding Developing Societies (Compulsory) Or Comparative Political Systems with special reference to USA, UK, China, Japan & Switzerland	Paper-2	Foreign Policy of India (Compulsory)
Paper-3	Opt any one of the following options: (a) International Organization (b) Transnational Actors in International Politics (c) Politics of Development in India (d) Peace and Conflict Resolution (e) Rethinking Geopolitics: Critical Perspectives (f) Theories of Development (g) Public International Law-I	Paper-3	Opt any one of the following options: (a) Parties and Electoral Politics in India (b) State Politics in India (c) Decentralized Governance and Local Level Institutions in India (d) Political Sociology with special reference to India (e) Representing "India": Geopolitical Imaginations
Paper-4	Opt any one of the following options: (a) Democracy in India (b) Government & Politics of India's Neighbours (Pakistan, Bangladesh, Nepal and Sri Lanka). (c) Women and Politics in India (d) Rights: Ideas and Movements (e) Nationalism: Theory and Context (f) New Political Geography in Comparative Perspective (g) Policies and Politics of Development in India (h) Public Administration	Paper-4	Opt any one of the following options (a) Feminist Political Theory (b) Major themes in Recent Political Philosophy (c) Readings in the Philosophy of Resistance and Liberation (d) Contemporary Debates in 20th Century Marxism (e) Introducing Federalism (f) Public International Law-II

THRUST AREAS: Indian Politics, International Relations, Geo-Politics.

PLACEMENTS: - The notice board of the Department displays subject related job & internship opportunities in different national & international research organizations. A designated faculty member incharge of placements also provides career counseling to students.

ALUMNI RELATIONS: - The Department is developing a database of information about all former students of the University. The Department also has a facebook page – 'PU POLSCIENCE' where all such activities are shared.

DEPARTMENT OF PSYCHOLOGY

ABOUT THE DEPARTMENT

The faculty members of the Department of Psychology have made their mark in the field of Psychology both at the National and International level. The faculty is actively engaged in research in Cognition, Life Span Developmental Psychology, Health Psychology, Positive Psychology, Sports Psychology, Stress Disorders, Mental Training and Excellence, Clinical Psychology, Child Psychopathology, Behavioural Economics. The faculty has also made valuable contribution to all aspects of society by participating in the Youth Development Programmes, Punjab Engineering College initiatives, PSIPA initiatives, Police Training Sessions, Mental Training and Excellence, international endeavors, Cognitive Training, Social Welfare etc. Besides executing its social responsibilities, the department has been attracting highly meritorious National and International students in its M.A., Post M.A. and Ph.D. Courses. The Department also houses a Counseling Centre.

Paper-7 Counselling Psychology: Approaches and Appraisal	Paper-7 Life Span Development Psychology-II
Paper-8 Sports Psychology-I	Paper-8 Child Psychopathology-II
Paper-9 Positive Psychology-I	Paper-9 Health Psychology-II
Paper-10 Health Psychology-I	Paper-10 Para Psychology
Paper-11 Media Psychology-I	Paper-11 Positive Psychology-II
Paper-12 Behavioural Economics	Paper-12 Media Psychology-II
Post M.A. Diploma in Professional Counselling and Psychotherapy	
Semester – I	Semester – II
Paper-1 Preparation for Counselling	Paper-1 School and Career Counselling
Paper-2 Assessment and Diagnosis	Paper-2 Marital and Family Counselling
Paper-3 Patterns of Maladaptive Behaviour	Paper-3 Treatment and Interventions
Paper-4 Problems and Issues of Exceptional Children	Paper-4 Addictive Disorders

THRUST AREAS: Pure and Applied Psychology: Cognition, Health Psychology, Clinical Psychology, Personality, Counselling, Psychological Testing, Sports Psychology, Positive Psychology, Media Psychology, Life Span Developmental Psychology.

PLACEMENTS: M.A. Psychology students get successful placements with Schools, Colleges, Hospitals and NGOs.

ALUMNI RELATIONS: There is an annual Alumni Meet. Besides this, alumni frequently visit the department for academically interacting with the students.

DEPARTMENT OF PUBLIC ADMINISTRATION

ABOUT THE DEPARTMENT

The Department of Public Administration, set up in 1961, has the distinction of being one of the first Public Administration Departments in the country. It has been actively engaged in quality teaching, research, training as well as consultancy in the applied fields of Public Administration. The Department has excellent infrastructure for academic and research related activities. It has a well- equipped library, seminar room and computer laboratory with internet. The Department's Administrative Sciences Society organizes debates, educational tours and cultural activities. The Department has produced more than 165 Ph.D.s; majority of the Ph.D. dissertations are survey-based focusing on the analysis and solutions of practical problems of administration in the Third World. The Department has also undertaken research projects and consultancies funded by prestigious agencies like Department for International Development (DFID), U.K.; Canadian International Development Agency, Commonwealth Youth Programme Asia and University Grants Commission. The alumni of the Department are well placed academics and administrators. The Department has successfully conducted training programmes for civil servants, non-teaching employees of the University and other educational/research institutions of the region, executives of public enterprises and other government officials, besides organizing refresher courses and seminars on various aspects of Public Administration from time to time.

FACULTY

Designations	Name	Field of Research Specialization
Professors	B.S. Ghuman	Economic Administration; Public Enterprise Management including privatization; Poverty and Sustainable Development; Research Methodology; Educational Administration; E-Governance; Public anagement; Decentralization; Public Policy; Regulatory Administration; Food Security
	Ramanjit Kaur Johal (Chairperson)	Public Policy; Comparative Public Administration; Administrative Ethics; Administration of NGOs; Social Policy & Welfare Administration; Initiatives in Peoples' Participation; Management Information Systems and E-governance; Administrative and Office Management; Public Enterprise Management

Group B: Economic Administration
(with special reference to India)
II. Economic Administration (Compulsory)

Group B: Economic Administration
(with special reference to India)
II. Project Management (Compulsory)

	Paper-7 Peasants And Rural Society In India Paper-8 Organizational Theory And Behaviour Paper-9 Basic Social Statistics
Semester-III	Semester-IV
Paper-1 Interpretive Sociological Theories (Compulsory) Paper-2 Methods And Techniques In Social Research (Compulsory) Paper-3 Basic Methods In Population Studies Paper-4 Social Development In India Paper-5 Rural Development In India Paper-6 Problems of Urban India Paper-7 Family in Cross Cultural Perspective Paper-8 Sociology of Aging Paper-9 Organizational Structure And Development Paper-10 Sociology of Deviance: Concepts And Theories Paper-11 Sociology of Crime Paper-12 Dissertation Paper-13 Advanced Social Statistics	Paper-1 Perspectives on Indian Society (Compulsory) Paper-2 Determinants and Consequences Of Population Growth (Compulsory) Paper-3 Sociology Of Human Migration Paper-4 Environmental Crisis And Sustainable Development Paper-5 Entrepreneurship And Development Paper-6 Cities, Urban Planning And Development Paper-7 Family Dynamics In Contemporary India Paper-8 Gender And Development Paper-9 Fundamentals Of Industrial Sociology Paper-10 Social Problems Paper-11 Political Sociology Paper-12 Sociology Of Marginalized Communities Paper-13 Dissertation Paper-14 Media And Culture

THRUST AREAS: Sustainable Development (in the context of Globalization, Information, Communication and Technology) Family and Gender Studies Population, Health and Aging Social Control and Deviance (with special reference to Activism, Terrorism and Cyber Crimes)

PLACEMENTS: We have set up a Placement Cell. Dr. Rani Mehta is the Coordinator of the Placement Cell. The Placement Cell coordinates with the Central Placement Cell, Panjab University and attempts to guide students for successful career placements in Academics, Industry and NGO's. It also guides students who want to pursue further research.

SCHOOL OF COMMUNICATION STUDIES

ABOUT THE DEPARTMENT

The School of Communication Studies at Panjab University was set up in 1941 at the University of Punjab, Lahore. The founding father of the School was Professor PP Singh who studied journalism in the University of Missouri, Columbia, USA. Our faculty members have Research Fellowship, Projects, International Fellowship and International Best Research paper award to their credit and continue to act as consultants and trainers beyond the classroom. They are editors and serve as members of the editorial boards in Research Journals of repute. The part-time/visiting faculty of the School comprises of eminent, veteran and award-winning reporters, columnists, authors, magazine editors, documentary filmmakers, and digital media specialists. The School of Communication Studies has been awarded with the prestigious Chanakya award, for the 'Business Communication School of the Year (National) 2011-2012, by the Global Conclave of Public Relations Council of India and Indy's award for Excellence in Mass Communication in the year 2013 by the Stars of the Industry Awards.

91.2 MHz, Jyotirgamaya, the CRS (Community Radio Station) of the Panjab University is being run by the School of Communication Studies. It was inaugurated on 13th February, 2011 and is acting as a unifying agent amongst the university faculty, students and also the community. Having started its journey with just a half-an-hour broadcast per day, today the station proudly offers four broadcasts a day that include a total of nine programmes running for over 10 hours. The CRS is recipient of a DST grant to run its special programme on Science for Women Health and Nutrition. The Public Relations Council of India awarded the special programme "Hamari Beti" run by PU CRS.

An Educational Multimedia Research Centre (EMMRC) and a PU Centre for Media Studies (PUCMS) are on their way to be set up in the School of Communication Studies with the purpose of outreach activities.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Sanjay Wadwalkar Archana R. Singh (Chairperson)	Advertising & Communication Print Media, New Media, Health Communication
Associate Professor	Mohanmeet Khosla	Print Media, New Media
Assistant Professors	Jayanth N. Pethkar	Public Relations, Radio & TV Communication, Sports Journalism
Part Time Faculty	Sumedha Singh	Development Communication, Print Media Advertising & Public Relations, Feature Writing
	Bhavneet Bhatti	Professionals from various organizations including Print, Electronic Media, Public Relations & Advertising

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A. (Journalism & Mass Communication)	30+5 NRI	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree in any discipline with 50% marks in aggregate. OR Bachelor's degree with at least 45 % marks in the subject of Journalism & Mass Communication OR Bachelor's degree with Hons. in the subject of Journalism & Mass Communication. OR Master's degree in any other subject.	Based on PU-CET(PG) ** Academics: 40% PU-CET(PG): 60%
PG Diploma in Advertising & Public Relations	15	1 Year	Bachelor's degree in any discipline from any recognized University	Based on Aptitude Test
Ph.D	8	3-6 Years	See M.Phil/Ph.D Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** The total marks for Entrance Test are 75, which have been split up as under :

(i) Marks for Written Test 65

(ii) Marks for Group Discussion 5 (iii) Marks for Interview 5

The aggregate marks obtained above will be normalized to marks scored out of 60.

Notes: she -I Tw Kho2any7

Semester-III		Semester-IV	
Paper-I	Advertising	Paper-I	Advertising
Paper-II	Public Relations	Paper-II	Public Relations
Paper-III	Media and Communication Research Methods	Paper-III	Media and Communication Research Practice
Paper-IV	Interpretative Journalism	Paper-IV	Investigative Journalism
Paper-V	Development Communication	Paper-V	Inter-cultural Communication
Practical			

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	30+2 NRI	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree in any faculty with at least 50% marks in the aggregate. OR B.A. (Hons) in Women Studies or B.Sc. (Hons.). OR Master's Degree in any faculty. OR B.A. (Pass) with at least 45% marks in Women's / Gender Studies or Public Administration or Political Science or History or Economics or Sociology or Psychology or Gandhian Studies or Geography or Philosophy or Human Rights & Duties.	Based on Merit Subject Weightage for Hons. shall be give in any one of the following subjects: B.A. with Hons. Degree in Women's/ Gender Studies, Public Administration, Political Science, History, Gandhian Studies, Sociology, Economics, Psychology, Geography, Philosophy, Human Rights & Duties
PG Diploma in Women's Studies	15+2 NRI	1 Year	Bachelor's Degree in any faculty with at least 50% marks in the aggregate from a recognized University OR B.A. (Pass) with at least 45% marks in Women/Gender Studies or Public Administration or Political Science or History or Economics or Sociology or Psychology or Gandhian Studies or Geography or Philosophy.	Based on Merit
Ph.D.	2	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLE OF SYLLABI (Detailed course curriculum is available at (<http://pu.chd.ac.in/syllabus.php>))

M.A.

Semester-I		Semester-II	
Paper-1	Conceptualizing Women's Studies	Paper-1	Feminism : An Indian Perspective
Paper-2	Women's Movement in India	Paper-2	Emerging Trends in Research Methodology
Paper-3	Feminist Theory	Paper-3	United Nations and Women's Issues
Paper-4	Fundamentals of Social Research	Paper-4	Optional Paper (i) Field Project OR (ii) Women and Environment
Semester-III		Semester-IV	
Paper-1	Women and Law-I	Paper-1	Women and Politics
Paper-2	Women and Development	Paper-2	Women and Law-II
Paper-3	Women and Development Women and Human Rights	Paper-3 & 4 Opt any two papers (i) Women and Work (ii) Women and Health (iii) Women and Media OR Dissertation in lieu of two papers	
Paper-4	Opt any one paper: (i) Women and Management (ii) Women and Entrepreneurship (iii) Training in Practical Skills (iv) Women, Science and Technology		

THRUST AREAS: In an era of globalization, interdisciplinary courses are the need of the hour and women's studies course is trying to meet the need. Moreover, field based studies enable student develop gender responsive approach towards society. Emerging challenges like gender based violence and commodification of women, portrayal of women in media and

	S.K. Chadha	Marketing; International Business
	Manoj K. Sharma	Business Economics; Human Resource Management
	Smriti Sood	Marketing; General Management; Resource Management
	Anupam Bawa	Marketing; General Management
	Deepak Kapur	Marketing; General Management
	B.B. Goyal	Marketing; General Management
	Karamjeet Singh	Finance & Accounting/Banking; General Management
	Parmjit Kaur	Finance & Accounting/Banking; General Management
	Meena Sharma	Finance & Accounting/Banking; General Management
	Sanjay Kaushik	Human Resource Management/ Organisational Behaviour /Industrial Relation; General Management; Banking
	Suveera Gill	Finance & Accounting/Banking; General Management
	Gunmala Suri	General Management; Quantitative Techniques; Operation Research, Statistics and Research Methodology; Operation Management; Information Technology and E.Commerce/ Knowledge Management
Associate Professors	Navdeep Kaur	General Management; International Business
	Luxmi	Human Resource Management/Organisational Behaviour /Industrial Relation.; General Management
	Purva Kansal	Marketing General Management
Assistant Professors	Monica Bedi	Marketing; International Business
	Tejinderpal Singh	Marketing; E-Commerce
	Rupinder Bir Kaur	Human Resource Management.; General Management
	Tilak Raj	Business Economics; General Management
	Neha Gulati	Computer; General Management
	Kulwinder Singh	Business Economics; General Management
	Pooja Soni	Statistics Operation Research

COURSES OFFERED (SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility *	Admission Criteria***
MBA	64+9NRI	2 Years	Bachelor's Degree in any stream with	Based on CAT 2016
MBA (International)	30+4NRI	2 Years	MBA Set mark 50% marks in aggregate	

			<p>or Chartered Institute of Management Accountants of England/Institute of Company Secretaries of India; OR Diploma in Personal Management and Labour Welfare or Diploma in Marketing Management with not less than 60% marks in the aggregate, provided the candidate holds a Bachelor's degree.</p> <p>(ii) Two years whole time executive experience in a commercial or industrial establishment after having passed the qualifying examination as given above. Members of All India or State Administrative / Technical Services and Defence Personnel holding administrative positions with not less than two years of executive experience will also be eligible. Organizational sponsorship is essential.</p>	
M.Com. (Hons.)	27+3NRI	2 Years	<p>B.Com./B.Com. (Hons.)/ BBA with not less than 45% marks in the aggregate; OR a Graduate with Honours in Economics or Mathematics or Statistics or Commerce with not less than 45% marks in the aggregate; Computer Application, Information Technology or Computer Science as a subject in the examination**OR a pass in the final examination conducted by the Institute of Chartered Accountants of India or England/Institute of Cost and Works Accountants of India or England/Institute of Company Secretaries of India OR any other qualification recognized by the Syndicate for this purpose.</p>	<p>Based on PU-CET (PG) Calculation of Merit: PU-CET (PG): 85% Group Discussion: 7.5% Personal Interview: 7.5%</p>
Ph.D	20+1****	3-6 Years	See M.Phil/Ph.D Prospectus 2017	
<p>* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates</p> <p>** Provided that in case of candidates having Bachelor's degree of the University through Modern Indian Languages [Hindi/Urdu/Punjabi(Gurumukhi script)] and/or in a Classical Language (Sanskrit/Persian/Arabic) or degree of any other University obtained in the same manner recognized by the Syndicate; 50% marks in the aggregate shall be calculated by taking into account full percentage of marks in all the papers in Language excluding the additional optional papers English and Elective subject taken together</p> <p>*** The candidates will be called for Group Discussion and Personal Interview on the basis of their score in the CAT subject to the condition that they secure a minimum 10% score (5% in case of SC/ST/BC/PwD candidates) in each component of CAT. NRI candidates not residing in India and thereby unable to avail of the above admission process will be required to submit valid score of GMAT, which will be treated at par with the combined score of Written Test (CAT), Conducted by IIM, Group Discussion and personal interview conducted by University Business School, Panjab University, Chandigarh.</p> <p>**** one seat reserved for regular teachers of PU campus and affiliated colleges to Panjab University/UGC Rajiv Gandhi National Fellow/Sponsored Foreign Students holding valid research visa under ICCR</p>				

TITLE OF SYLLABI: Detailed Course Curriculum is available at <http://puuchd.ac.in/syllabus.php>

MBA

Semester-I	Semester-II
Business Economics Business Statistics Management Accounting Organisational Behaviour Marketing Management Workshop on Business Computing Workshop on Business Research	Business Environment Human Resource Management Operations Management Financial Management Legal Aspect Of Business Summer Training Report and viva-voce Comprehensive viva-voce Workshop on Business Communication Workshop on Multivariate Statistical Techniques
Semester-III	Semester-IV
Strategic Management To opt for two groups out of the groups offered and further in one option group opt for three papers. In the other group to opt for two papers.	Human Values and Business Ethics Comprehensive Viva-Voce Student to continue with the two groups opted by them in third semester and further in each group opted by them they are to opt for two papers out of the papers offered.
Group A: Entrepreneurship and General Management Entrepreneurial Development and New Enterprise Management Entrepreneurial Finance	Group A: Entrepreneurship and General Management Managing Strategic Implementation and Business Transformation Managing Entrepreneurship and Business Development

MBA (IB)

Semester-I	Semester-II	Semester-III	Semester-IV
Organisational Behavior and International Human Resource Management	International Business Environment	Global Strategic Management	Cross Cultural Issues and International Business Negotiations
Marketing Management	International Financial Management	Global Supply Chain Management	International Brand Management
Business Statistics	Workshop on Foreign Trade Documentation and Trade Finance	International Business Law	Comprehensive viva-voce
Management Accounting	Operations Research	Workshop on Sectoral Strategies for Exports	Foreign Language - French
Seminar on Foreign Trade Policy and Management	Global Marketing Management	Seminar on International Marketing Research	Seminar on WTO and International Trade Policies
Seminar on Micro economics	Summer Training and viva-voce	Foreign Language - French	Any two of the following:
Workshop on Business Computing	Comprehensive viva-voce	Any two of following:	International Banking
Workshop on Business Research	Workshop on Business Communication	Seminar on Project Planning and Analysis	Technology and Strategic Consulting
	Workshop on Multivariate Statistical Techniques	Seminar on Corporate Restructuring and Re-engineering	International Accounting
		Seminar on Entrepreneurship Management	Total Quality Management
		Seminar On Regional Economic Groupings	

MBA (HR)

Semester-I	Semester-II	Semester-III
Economics for Human Resources	Labour Legislation-I	Labour Legislation-II
Business Environment	Industrial Relations and Labour Policy	Strategic Human Resource Management
Human Resource Management	Marketing Management	Performance and Compensation Management
Management Accounting	Production Management and Quantitative Techniques	Organisation Development
Organisational Behaviour	Summer Training and Viva-Voce	Workshop on Training and Development
Workshop on Business Computing	Comprehensive Viva-Voce	Workshop on Negotiating Skills and Participative Decision Making
Workshop on Business Research	Seminar on Management of Change	Seminar on Social Security and Labour Welfare
	Seminar on Human Resource Planning	
	Workshop on Qualitative Research Methods	
	Workshop on Business Communication	

SEMESTER-IV

Human Resource Information System
Personal Effectiveness and Leadership
Workshop on Management of Discipline and Disciplinary

Any one of the following out of the papers offered:
Workshop on Human Resource Valuation
Total Quality Management

MBAfEX

Semester-I	Semester-II
Business Economics	Business Environment
Business Statistics	Human Resource Management
Management Accounting	Operations Management
Organisational Behaviour	Financial Management
Marketing Management	Legal Aspect of Business
Workshop on Business Computing	Comprehensive viva – voce
Workshop on Business Research	Workshop on Multivariate statistical Techniques
Semester III	Semester-IV
Strategic Management	Human values and Business Ethics
To opt for two groups out of the groups offered. And	Comprehensive viva-voce

SAP THRUST AREAS: Emotional Intelligence, Effective Leadership Style and Human Resource Valuation, Corporate Valuation and Corporate Reporting, Supply Chain Management and International Business.

PLACEMENTS: The Summer Internship Season for 2015 – 16 witnessed participation from a plethora of reputed companies that extended internship offers to 86 students across various domains, profiles and geographies. HDFC Bank, Kotak Mahindra Bank, OYO Rooms, uTrade, Volvo Eicher were some of the prominent recruiters. The final placements for the batch 2014-16 concluded on a jubilant note as a total of 113 students received job offers from companies in over seven sectors in functions of their choice. Aircel, Clicklabs, Café Coffee Day, Dell, E-Clerx, Finxera, General Motors, Futures First, HDFC, Heidelberg, ICICI, Infosys, Kotak Mahindra Bank, KPMG Global, Pantaloons, Religare Finvest, SBI Life Insurance, The Smart Cube, Trident, Volvo Eicher and Wipro. The maximum package 21 lacs was offered to the students and the average package was 8.25 lacs.

ALUMNI RELATIONS: In the academic year 2016-2017 University Business School welcomed several distinguished corporate personalities and alumni from various batches for corporate interactions with the students. The top executives from various organisations like Religare, Vodafone, DHFL, IBM, Eidelweiss, Korn Ferry, ITC Hotels, Reliance Industries Limited etc. interacted with the students.

UNIVERSITY INSTITUTE OF APPLIED MANAGEMENT SCIENCES

ABOUT THE INSTITUTE

UIAMS offers management programmes in sectoral areas and streams so as to fulfill industry needs and requirements for specialized managerial skills.

Salient Features of the Institute :

- (a) UIAMS is in furtherance of University's vision of developing emerging areas as nodal centres of Excellence in applied fields.
- (b) Cardinal Principle of Delivery System : 70:30 ratio of Management and Sectoral inputs.
- (c) Delivery and Evaluation at UIAMS is a mix of Theory & Practice.
- (d) Association with Industry through invited talks, guest faculty, evaluation of projects.
- (e) Institute is inter-disciplinary drawing from rich reservoir of talent available not only from University Business School (UBS) but also sectoral Departments like University Institute of Pharmaceutical Sciences (UIPS), Dr. Harvansh Singh Judge Institute of Dental Sciences & Hospital, University Institute of Engineering & Technology (UIET), Department of Economics, Department of Statistics, Department of Computer Sciences and Dr.S.S.B. University Institute of Chemical Engineering & Technology.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Sanjeev Sharma (Director)	Strategic Management, Marketing Management, International Business
	Manoj Anand	Corporate Finance & Reporting, Project Finance, Investment Banking.
Associate Professors	Upasna Joshi Sethi	Human Resource Management, Organisational Behaviour
	Pardeep Kumar Sharma	Quantative Techniques, Economic Development, Poverty & Inequality
Assistant Professors	Nishi Sharma	Financial Management, Investment Analysis
	Monika Aggarwal	Banking, Entrepreneurship, Finance & Accounting
	Anupreet Kaur Mavi	Development Economics, Labour Economics
	Arunachal Khosla	Organizational Culture (OB & HRM)
	Nidhi Gautam	Data Communication, Wireless Sensor Networks, Wireless Communication
	Jagandeep Singh	Marketing Management, Strategic Management
	Manu Sharma	Mergers & Acquisitions, Private Equity, Corporate Valuation and Financial Derivatives

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
MBA (Retail Management)	45+5NRI	2 Years	Passed one of the following examinations from a recognized University:	Based on MET
MBA (Banking & Insurance Management)	45+5NRI	2 Years	A Bachelor's or Master's Degree in any discipline of Panjab University or of any other recognized University as equivalent thereto with at least 50% marks in aggregate.	Calculatuion of Merit: MET: 85% Group Discussion: 7.5% Personal Interview: 7.5 %

Semester-I
(Common To all Sectoral Branches)

Semester-II

Business Environment

c) Financial Engineering and its Applications d) Mergers, Acquisitions and Corporate Restructuring	Group-C: Human Resource Management a) Industrial Relations and Labour Welfare
Group-C: Human Resource Management a) International Human Resource Management b) Organizational Development c) Labour Laws d) Performance Management	b) Training and Development Group-D: Operations Management a) Enterprise Resource Planning b) Productivity Management
Group-D: Operations Management a) Supply Chain Management b) Advanced Production Management c) Business Process Re-Engineering d) Management of Technology and Innovation	
4. In Third semester, every student has to study three papers of the sectoral stream in which he/she has been admitted.	8. In Fourth semester, every student has to study three papers of the sectoral stream in which he/she has been admitted.
Sectoral Subjects-Retail Management RM-3: Customer Relationship Management RM-4: Franchising Management RM-5: Visual Merchandising	Sectoral Subjects-Retail Management RM-6: Advanced Supply Chain Management RM-7: Marketing of Services RM-8: Marketing Strategies and Management
Sectoral Subjects-Banking & Insurance Management B&I-3: International Banking and E-Commerce B&I-4: Management of Banking Service Operations B&I-5: Life and General Insurance	Sectoral Subjects-Banking & Insurance Management B&I-6: Regulatory Framework of Banking and Insurance B&I-7: Marketing of Financial Services B&I-8: Risk Management
Sectoral Subjects-I.T. & Telecommunications Management IT&T-3: Information Technology Policies and E-Governance IT&T-4: VB .Net With UML IT&T-5: Oracle E-Business	Sectoral Subjects-I.T. & Telecommunications Management IT&T-6: Wireless Technologies and Convergence IT&T-7: Project Management and Change Management IT&T-8: Mobile Communications Sectoral Subjects-Infrastructural Management
Sectoral Subjects-Infrastructural Management IM-3: Infrastructure Project Delivery, Managing Contracts and Negotiations IM-4: Financing of Infrastructural Projects IM-5: Public Private Participation In Infrastructure Sectors	IM-6: Environmental Impact Assessment and Sustainable Development IM-7: Emerging Trends in Infrastructural Management IM-8: Urban, Rural and Social Infrastructure Development and Financing

PLACEMENTS: UIAMS has an active placement cell, managed by full time training and placement officer (TPO). There has been a tremendous response from the reputed organisations for the management graduates of UIAMS. The focus of the placement team has been to nurture soft skills so as to enhance their employability quotient.

ALUMNI RELATIONS: Alumni of UIAMS has been in constant touch with its alma mater. UIAMS has been holding its annual alumni meet, which is well attended. Alumni are also kept abreast with the latest developments of UIAMS, besides seeking their support for the placement activities.

UNIVERSITY INSTITUTE OF HOTEL AND TOURISM MANAGEMENT (UIHTM)

ABOUT THE INSTITUTE

The University Institute of Hotel and Tourism Management (UIHTM) is an upcoming premier institute of Panjab University, which is offering education, training, and consultancy in the field of hospitality, tourism, travel and allied sectors. Looking in to the demands of the Indian and global economy, UIHTM's programmes offer specialization for learners to enable them to acquire the right skill set with ample flexibility to adapt to employer organization's needs.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professor	Prashant Kumar Gautam (Director)	Destination Management
Assistant Professors	Anish Slath	Hospitality Sales and Marketing
	Arun Singh Thakur	Special Interest Tourism
	Jaswinder Kumar Sharma	Sustainable Tourism
	Jaswinder Singh	Food Production
Assistant Professors (ad hoc)	Neeraj Aggrawal	Food and Beverage Service
	Gaurav Kashyap	Gastronomy and food science
	Abhishek Ghai	Food and Beverage Service - Bar Operations
	Lipika Guliani	Finance and Accounting
	Manoj Semwal	Hotel Housekeeping
	Amit Katoch	Tour Operations

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
Bachelor of Hotel Management and Catering Technology (BHMCT)	60+6NRI	4 Years	10+2 with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.	Based on PU Tourism and Hospitality Aptitude Test (PUTHAT)
Bachelor of Tourism and Travel Management (BTTM)	30+3NRI	4 Years	10+2 with not less than 50% marks in the aggregate and English as one of the Compulsory Subjects.	Based on PU Tourism and Hospitality Aptitude Test (PUTHAT)

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

BACHELOR OF HOTEL MANAGEMENT AND CATERING TECHNOLOGY (BHMCT)

Semester-I		Semester-II	
	Discipline Core (Theory)		Discipline Core (Theory)
BHM-111	Foundation Course in Food Production	BHM-121	Foundation Course in Food Production
BHM-112	Foundation Course in Food & Beverage Service	BHM-122	Foundation Course in Food & Beverage Service

BHM-113 Foundation Course in Front Office	BHM-123 Foundation Course in Front Office
BHM-114 Foundation Course in Accommodation Operations	BHM-124 Foundation Course in Accommodation Operations
Discipline Electives choose any two	Discipline Electives choose any two
BHM-115 Principles of Food Science	BHM-125 Nutrition
BHM-116 Application of Computers	BHM-126 Basics of Tourism
BHM-117 Executive communication	BHM-127 Accounting for Managers
BHM-118 Introduction to Event Management	BHM-128 Environment and Road Safety Education
Discipline Core (Practical)	Discipline Core (Practical)
BHM-101 Foundation Course in Food Production	BHM-106 Foundation Course in Food Production
BHM-102 Foundation Course in Food & Beverage Service	BHM-107 Foundation Course in Food & Beverage Service
BHM-103 Foundation Course in Front Office	BHM-108 Foundation Course in Front Office
BHM-104 Foundation Course in Accommodation Operations	BHM-109 Foundation Course in Accommodation Operations
BHM-105 Leadership Development Camp	Semester-III
Discipline Core	BHM 231 Industrial Exposure Training
Semester-IV	Semester-V
Discipline Core	Discipline Core
BHM-241 Food Production Operations	BHM-351 Advanced Food Production Operations
BHM-242 Food & Beverage Operations	BHM-352 Advanced Food & Beverage Operation
BHM-243 Front Office Operations	BHM-353 Accommodation Management
BHM-244 Accommodation Operations	Discipline Electives choose any three
Discipline Elective choose any two	BHM-354 Spa Management
BHM-245 Food & Beverage Controls	BHM-355 Food & Beverage Management
BHM-246 Food Safety & Quality	BHM-356 Financial Management
BHM-247 Components of Tourism	BHM-357 Global Tourism
BHM-248 Bar and Beverage operations	BHM-358 Business Ethics
Workshop on Research Methodology	Discipline Core (Practical)
Discipline Core (Practical)	BHM-301 Advanced Food Production Operations
BHM -201 Food Production Operations	BHM-302 Advanced Food & Beverage Operation
BHM -202 Food & Beverage Operations	BHM-303 Accommodation Management
BHM -203 Front Office Operations	
BHM -204 Accommodation Operations	
Semester-VI	Semester-VII
Discipline Core	Theory (Specialization Core)
BHM-361 Advanced Food Production Operations	Group 1. Food and Beverage Division Management
BHM-362 Advanced Food & Beverage Operation	BHM-471 Advanced Food Production Operations Management
BHM-363 Front Office Management	BHM-472 Advanced Food & Beverage Operation Management
Discipline Electives Choose any three	Group 2. Rooms Division Management (Specialization Core)
BHM-364 Aviation and Cruise line operations Management	BHM-473 Advanced Front Office Management
BHM-365 Entrepreneurship Development	BHM-474 Advanced Accommodation Management
BHM-366 Principles of Management	Compulsory Subjects (Discipline Core)
BHM-367 Personality Development and Soft Skills	BHM-475 Project on Market feasibility and financial viability for hotels/restaurants
BHM-368 Food Photography and Food Journalism	Specialization Electives
Discipline Core (Practical)	BHM-476 Strategic Management

BHM -304 Advanced Food Production Operations

BHM -305 Advanced Food & Beverage Operation

BHM -306 Front Office Management

BHM -307 Research Project (Viva Voce)

BHM-477 Principles of Marketing

BHM-478 Facility Planning

Practical (Specialization Core)

Group 1. Food and Beverage Division Management

BHM -401 Advanced Food Production Operations

BHM -402 Advanced Food & Beverage Operation

Group 2. Rooms Division Management

BHM -403 Front Office Management

BHM -404 Accommodation Management

SEMESTER-VIII

BHM 481 Specialized Hospitality Training

BHM 482 Project Report on emerging trends in hospitality Indons

Semester -VII			Semester-VIII		
Core			Core		
BTM 471	Accounting for Managers		BTM 481	Comprehensive Viva Voce	
BTM 472	Tourism Promotion		BTM 482	Internship Report	
BTM 473	Research Project Report		BTM 483 [#]	Workshop: Computerized Reservation System	
Specialization-2 Core paper			BTM 484 [#]	Workshop: Indian Tourism Destinations	
Specialization-2 elective paper 1			BTM 485 [#]	Workshop: International Tourism Destinations	
Specialization-2 elective paper 2					
Specialization Core and Electives					
SPECIALIZATION-A (Travel Trade)			SPECIALISATION-B (Outbound Tourism)		
SC	BTM TT1	Ticketing & Transportation	SC	BTM OT1	Regional Dimensions of International Tourism
SE	BTM TT2	Trade Related Issues and Frontier Formalities	SE	BTM OT2	Outbound Tour Operations
SE	BTM TT3	Adventure Tourism	SE	BTM OT3	Tourism Product: Europe and America
SE	BTM TT4	Rural and Community Based Tourism	SE	BTM OT4	Tourism Product: Asia, Middle East and Pacific Area
SPECIALIZATION-C (Aviation and Hospitality)			SPECIALIZATION-D (Tourism Marketing)		
SC	BTM AH1	Room Division Management	SC	BTM TM1	Service Marketing
SE	BTM AH2	Basics of F&B Operations	SE	BTM TM2	Relationship Marketing
SE	BTM AH3	Airport Facility Management	SE	BTM TM3	Sales and Distribution Management
SE	BTM AH4	Air Transport & Cargo Management	SE	BTM TM4	E-Marketing

THRUST AREAS: Food & Service Production, Food and Beverage Service, Accommodation Operation, Tour Operations, MICE

PLACEMENTS: UIHTM provides training and placements to the students. There was 100% placement of students of the 2015-2016 batch. The students were placed in all leading hotel chains, cruise line companies and tour operator companies like Oberoi, Marriott, Taj, Jaypee Hotels, Hyatt, Cox and Kings, Thomas Cook etc.

ALUMNI RELATIONS: The institute invites its former students on a regular basis to interact with the students

III. FACULTY OF DESIGN AND FINE ARTS DEPARTMENT OF ART HISTORY & VISUAL ARTS

ABOUT THE DEPARTMENT

The Department of Art History and Visual Arts was established in 1962. The Department has made significant contributions in the field of art history in a regular academic curriculum. Teaching in the department is carried out through audio visual materials like slides, film shows, demonstration by artists etc. In the library of the department, there are more than 15,000 slides of which the most important part is that of the slides acquired from the American Committee of South Asian Art (ACSAA), U.S.A.

The Museum of Fine Arts was opened in 1968. The Museum showcases a collection of contemporary Indian Art of important painters, sculptors and printmakers. A regular programme of exhibitions along with demonstrative workshop is conducted. The museum is an important part of the department. The department is also involved in research (Specialization in Tourism Management) and has a research centre in the field of art history and visual arts.

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission criteria
M.A. (History of Art)	25+3NRI	2 Years	Passed one of the following examinations from a recognized University: A Bachelor's Degree obtaining at least 45% marks in the History of Art or 50% in aggregate. OR B.A.(Hons) in History of Arts or B.Sc. (Hons.) Course. OR Master's examination in any subject. OR B.A. (Pass) examination with 45% marks in any of the following subjects :- Art, Music, Psychology, Philosophy, Sociology, Sanskrit, History, English, Ancient Indian History, Culture & Archaeology, Home Science, any one of the Modern Indian Languages/ Classical languages. OR B.A. (Pass)/B.Sc.(Home Science) examination in second division with at least 50% marks in the aggregate; OR B.F.A./ Bachelor of Architecture examination with at least 45% marks in the aggregate;	Based on Aptitude Test Aptitude Test:40%** Academic : 60% (10 th Class :10%, 10+2 Class :10%, Bachelor's/Master's degree : 40%)
Ph.D.	4	3-5 Years	See M.Phil./Ph.D Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**Aptitude test will be of one hour duration based on Fine Arts/History of Art syllabus at the undergraduate level of P.U.

TITLE OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

M.A. (History of Art)

Semester-I		Semester-II	
Paper-1	History of Indian Sculpture and Architecture from the Earliest Times to ca.600 A.D.	Paper-5	History of Indian Sculpture and Architecture from 1st century A.D. to 6th century A.D.
Paper-2	History of European Art from the Pre-historic to the Byzantine period.	Paper-6	History of European Art from the Early Medieval Period till Late Gothic Period ca.1400 A.D.
Paper-3	History of Indian Painting from the Pre-historic period to the 16 th century A.D.	Paper-7	History of Indian Painting from ca.1550 A.D. to ca. 1850 A.D.
Paper-4	Principles and Sources of Art.	Paper-8	Basic Religious Systems and Iconographic Concepts.
Semester-III		Semester-IV	
Paper-9	History of Indian Architecture and Sculpture from ca.700 A.D. to ca.1300 A.D.	Paper-13	History of Indian Architecture from ca.1300 A.D. to ca.1900 A.D.
Paper-10	History of European Art from the Renaissance to ca.1700 A.D.	Paper-14	History of European Art from ca.1900 A.D. to ca.1950 A.D.

DEPARTMENT OF INDIAN THEATRE

ABOUT THE DEPARTMENT

The Department was set up in 1972 and has earned a place of pride on the national theatre scene during 45 years of its existence, on the Panjab University Campus. Theatre personalities from all over India and foreign countries have been visiting the Department for interaction with the faculty and students. The Department has produced more than 87 productions ranging from classical to modern, traditional to experimental plays. The Alumni of this Department have made their name at the highest level in the fields of Theatre, T.V., films and other cultural organizations. The Department offers merit scholarship to students. The Department has its own Library, A Balwant Gargi Open-air-Theatre and a Studio Theatre for overall training of the students, in the subject of theatre and directorial process. The Department also produces an Annual Production for an invited audience. The Course provides full training in the theoretical and practical aspects of theatre, acting, movement, voice speech, singing, improvisation, theatre-games, yoga, mime, text-study, character-building, stage-craft along with its chiseling of the imagination. Plays from India and Western dramatic literature and the history of theatre are dealt with in considerable detail. Theory and practical lessons in Stage-craft that include make-up, mask-making, lighting, set and costume designing are an important part of the training. The knowledge of regional theatre-forms and their creative application in the modern context is emphasized.

FACULTY

Designation	Name
Assistant Professor (Re-Employed)	Shveta Mahendra
Assistant Professor	Navdeep Kaur (Chairperson)
Associate Professor (on Temporary Basis)	Bhupinder Singh

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria**
M.A.	23 +2 NRI	2 Years	Bachelor's Degree from Panjab University OR Any other degree recognized by the Panjab University as equivalent thereto.	Based on Written & Performance Test
Ph.D.	7	3-6 Years	See M.Phil / Ph.D. Prospectus 2017	

* 5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

i) **Objective Type Written Test conducted by the Department: 30 Marks

(Only those candidates who secure at least 50% marks in the Objective Type Written Test will be allowed to appear in the Specially Designed Performance Test).

ii) **Specially Designed Performance Test**: 70 Marks

(Only those candidates who qualify Specially Designed Performance Test by scoring at least 50% marks will be eligible)

DEPARTMENT OF MUSIC

THRUST AREA: Classical Music

PLACEMENTS: Department prepare the students in such a way they can be appointed for teaching in Universities, Colleges & other Institutions.

ALUMNI RELATIONS: Preparing the list of alumni of this Department.

IV. FACULTY OF EDUCATION

DEPARTMENT OF COMMUNITY EDUCATION AND DISABILITY STUDIES

ABOUT THE DEPARTMENT

The Department was established in the year 2007. It offers Master's course in Community Education and Development, Ph.D. (Community Education and Development) and B.Ed. Special Education (Learning Disability). The Admission in these courses is open to all the students from all streams.

FACULTY

Designation	Name	Field of Research Specialization
Associate Professors	Ashwani Kumar Sharma	International Politics with emphasis on Conflict Resolution, Community Education, Inclusive Education, Human Resource Development.
	Navleen Kaur	Community Education, Inclusive Education, Extension Education, Educational Psychology, Guidance and Counseling, Learning Disability.
	Anuradha Sharma (Chairperson)	Research Methodology, Education Psychology, Community Social Psychology, Learning Disability, Community Education, Inclusive Education.
	Dazy Zarabi	Community Education, Population and Sustainable Development Education, Gender Equality & Equity Adolescent Education, HIV/AIDS/Health Education.
Assistant Professor	Md. Saifur Rahman	Special Education, Inclusive Education, Research Methodology
	Nitin Raj	Special Education
Assistant Professors (Temporary)	Md. Taukir Alam	Special Education
	Md. Shamsad Alam	Special Education

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A. (Community Education & Development)	25+3NRI	2 Years	Bachelor's Degree with 45% marks in any stream from a recognized University	Based on Merit
B.Ed. Special Education (Learning Disability)	30	2 Years	Bachelor's Degree with 50% marks in any discipline from a recognized University	Based on Merit
Ph.D.	6	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

*5% Concession is admissible in eligibility marks to ST/SC/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
Paper-1	Community Development and Organization	Paper-1	Community Social Psychology
Paper-2	Indian Social Structure	Paper-2	Urbanization and Slums
Paper-3	Empowerment of Community	Paper-3	Corporate Social Responsibility
Paper-4	Research Methodology	Paper-4	Human Resource Development and Training
	• Project work/Community work/		

Semester-III	Semester-IV
Paper-1 Conflict Resolution Paper-2 Population and Health Education Paper-3 Community Counseling Paper-4 Education and Life Long Learning • Project work/Community work/ Field work.	Paper-1 Rural Development Entrepreneurship Paper-2 Human Rights and Duties Paper-3 Panchayati Raj System in India Paper-4 Environmental Education and Disaster Management • Project work/community work/ Field work.

B.Ed.

Semester – I (Theory Papers)	Semester – II (Theory Papers)
Paper-1 Human Growth & Development Paper-2 Contemporary India and Education Paper-3 Introduction to Neuro Developmental Disabilities Paper-4 Assessment and Identification of Needs Practicum – LD E1: Cross disability & Inclusion	Paper-1 Learning, Teaching and Assessment Paper-2 Part- (i) Pedagogy of Teaching Science Part- (ii) Pedagogy of Teaching Mathematics Part- (iii) Pedagogy of Teaching Social Science Paper-3 Part –(i) Pedagogy of Teaching Hindi Part –(ii) Pedagogy of Teaching Punjabi Part –(iii) Pedagogy of Teaching English Paper-4 Inclusive Education Paper-5 Curriculum Designing, Adaptation & valuation Practicum – LD E2: Disability Specialization
Semester – III (Theory Papers)	Semester-IV (Theory Papers)
Paper-1 Educational Intervention and Teaching Strategies Paper-2 Technology & Disability Paper-3 Psycho-Social and Family Issues Paper-4 Reading and reflecting on Texts Paper-5 Performing and Visual Arts Practicum -LD E2: Disability Specialization F1: Major Disability-LD (Internship)	Paper-1 Guidance & Counseling Paper-2 Management of Learning Disability Paper-3 Basic Research and Statistics Practicum –LD E1: Cross disability & Inclusion F2: Other Disability (Internship) F3: Inclusive School (Internship)

THRUST AREAS: Development of Education System in India; Inclusive Education; Community Education; Empowerment of Community; Education for All; Gender Equity, Equality and Disparity; Community Counseling; Special Education and any other issue related with community and inclusive education.

PLACEMENTS: The Department has a Placement Cell which coordinates with the Central Placement Cell of the University. Many students opt for self-employment and spring up as successful Special Educators/Councilors.

ALUMNI RELATIONS: Since the 1st Session of department was completed in the year of 2009, we are in the process to organize an alumni meet soon.

DEPARTMENT OF EDUCATION

ABOUT THE DEPARTMENT

The Department of Education was started in 1963 with one M.Ed. course through regular mode. Subsequently M.Ed. (Evening) Course for in-service teachers (1969); M.A. (Education) (1979); M. Phil. (Education) (1979); M.Ed. (Guidance & Counselling) (1991) and M.Ed. (Educational Technology) (1991) were added. Currently only M.Ed. (General) and M.A. (Education) are running in the Department. The Department of Education is a Nodal Research Centre of Panjab University for conducting Ph.D. programme and Pre-Ph.D. course work in Education. The Department has been awarded Special Assistance Programme (DRS) by U.G.C. w.e.f. from 1-4-95: First phase: 1-4-95 to 31-3-2000, Second Phase: 1-4-2001 to 31-3-2006 and Third phase 1-4-2007 to 31-3-2012. Currently the Department has been awarded SAP (DSA) status with a grant of Rs. 75 lacs.

FACULTY

Designation
Professor Emeritus

Name

Field of Research Specialization

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.Ed.(General)

Semester- I		Semester- II	
Paper-1	Perspectives in Education -I	Paper-1	Process of Education-II
Paper-2	Learner and Learning Process-I	Paper-2	Psychology for Individual and Social Development-II
Paper-3	Educational Research and Statistics-I	Paper-3	Educational Research and Statistics-II
Paper-4	Teacher Education-I	Paper-4	Dissertation –II (Submission of Research Proposal)
Paper-5	History of Education-I	Paper-5	Self Development Skills-II (Writing CV & Interview skills)
Paper-6	Dissertation-I (Writing a synopsis)	Paper-6	Any one of the following
Paper-7	Self Development Skills-I (Academic/ Professional Writing & Communication Skills)		Pedagogy of Science Education-II
			Pedagogy of Social Science Education-II
			Pedagogy of Language Education-II
			Pedagogy of Mathematics Education-II
Semester -III		Semester- IV	
Paper-1	Guidance and Counseling-III	Paper-1	Education for sustainable Development & Global Peace-IV
Paper-2	Educational Technology and ICT-III	Paper-2	Field Attachment/ Internship-IV
Paper-3	Dissertation-III (Submission)	Paper-3	Dissertation-IV (Viva Voce)
Paper-4	Self Development Skills-III (e-skills)	Paper-4	Self Development Skills-IV (Yoga)
Paper-5&6	Any Two of The Following:	Paper-5&6	Any Two of the following
	Policy Planning and Financing of Education-III		Measurement, Assessment and Evaluation-IV
	Education for Differently-abled-III		Comparative Education-IV
	Curriculum Studies-III		Life Long Learning-IV
			Educational Administration and Management-IV

M.A. (EDUCATION)

Semester-I		Semester-II	
Paper-1	Philosophical and Sociological Foundations of Education-I	Paper-6	Philosophical and Sociological Foundations of Education-II
Paper-2	Educational Psychology-I	Paper-7	Educational Psychology-II
Paper-3	Educational Research & Statistics-I	Paper-8	Educational Research & Statistics-II
Paper-4&5	Opt Any Two of The Following	Paper-9&10	Opt Any Two of the following
A	Educational Measurement & Evaluation	A	Educational Measurement & Evaluation
B	Guidance & Counselling	B	Guidance & Counselling
C	Educational Technology	C	Educational Technology
D	Special Education	D	Special Education
E	Population Education and Environmental Education	E	Population Education and Environmental Education
F	Value Education & Human Rights Education	F	Value Education & Human Rights Education
G	Educational Administration & Management	G	Educational Administration & Management
H	Lifelong Education	H	Lifelong Education
Semester-III		Semester-IV	
Paper-11	History and Contemporary Issues of Indian Education-III	Paper-16	History and Contemporary Issues of Indian Education-IV
Paper-12	Curriculum Development-III	Paper-17	Curriculum Development-IV

Paper-13

Semester VII		Semester VIII
Compulsory Papers: weeks)		Internship Programme and Pedagogy Practice (16
Paper-1	Theory of Education: Philosophical, Sociological and Political perspectives	Tasks related to School internship: (Document & SWOT analysis, Case Study, Organization of School function, Co-curricular activities, Morning assembly, Social awareness programmes, Cleanliness & beautification of School Campus, Career Counselling Sessions, Life Skill and Preparation & Maintenance of various School Records)
Paper-2	The Learner-Nature and Development	
Paper-3	Theory of Instructional Technology	
Paper-4	School Management	
Paper-5	Information and Communication Technology (ICT) in Education	
Paper-6 & 7	Optional Papers: Choose any two: English, Punjabi, Hindi, History, Geography, Economics, Social Studies, Political Science and Sociology.	

THRUST AREAS: Perspectives of Education (Philosophical, Psychological, Sociological), Educational Technology, Life Skills and Pedagogical skills.

PLACEMENTS: The placement cell is active in grooming employability skills of students by conducting resume writing,

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.P.Ed.	34+2 NRI	2 Years	Passed one of the following examinations from a recognized University: Bachelor's Degree in any stream with 50% marks and having at least participation in the Inter-College/Inter-Zonal /District/School competition in sports and games	Based on PU-CET(PG) Academics: 50% PU-CET(PG): 50% Physical Efficiency

Semester-III		Semester-IV	
Paper-1	Computer Application in Physical Education	Paper-1	Measurement and Evaluation in Physical Education
Paper-2	Sports Psychology and Sociology	Paper-2	Kinesiology and Biomechanics
Paper-3	Sports Training	Paper-3	Research and Statistics in Physical Education
	Elective Course (Any One)		Elective Course (Any One)
Paper-1	Sports Medicine, Physiotherapy, and rehabilitation	Paper-1	Theory of Sports and Games
Paper-2	Curriculum Design	Paper-2	Sports Management
M.P.Ed.			
Semester-I		Semester-II	
Paper-1	Research Process in Physical Education and Sports Sciences	Paper-1	Applied Statistics in Physical Education and Sports
Paper-2	Test, Measurement and Evaluation in Physical Education	Paper-2	Sports Biomechanics and Kinesiology
Paper-3	Theory Game-I (Basketball/ Football / Gymnastics)	Paper-3	Track and Field Theory-I
	Elective Course (Any One)		Elective Course (Any One)
Paper-1	Educational Technology in Physical Education and Sports	Paper-1	Management of Physical Education and Sports
Paper-2	Yogic Sciences	Paper-2	Adapted Physical Education
Semester-III		Semester-IV	
Paper-1	Exercise Physiology	Paper-1	Sports Medicine
Paper-2	Scientific Principles of Sports Training	Paper-2	Professional Preparation and Curriculum Designs in Physical Education
Paper-3	Theory Game-II (Badminton/ Hockey/ Volleyball)	Paper-3	Theory Track and Field-II
	Elective Course (Any One)		Elective Course (Any One)
Paper-1	Sports Psychology	Paper-1	Health, Physical Fitness, Wellness

V. FACULTY OF ENGINEERING AND TECHNOLOGY
Dr. S.S. BHATNAGAR UNIVERSITY INSTITUTE OF CHEMICAL
ENGINEERING & TECHNOLOGY PANJAB UNIVERSITY

ABOUT THE INSTITUTE

The Dr.S.S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, (<http://www.pu.ac.in/cet>) is a premier Institute in Northern India imparting quality education in Chemical Engineering, Food Technology, Polymer Technology and Industrial Chemistry; the programmes in Polymer Technology and Industrial Chemistry are offered at the Post graduate level only. The Institute was set up in 1958 in collaboration with the Illinois Institute of Technology Chicago, USA, and continues to maintain global standards of excellence in education and research. The Institute has attained a status of eminence in academia, R&D, consultancy – in India and around the world. The faculty members maintain close interaction with the industry, government, statutory organizations etc. and contribute extensively to research, industrial consultancy and public policy.

FACULTY

Designation	Name	Field of Research Specialization
Professors (re-employed)	Virender Kumar Rattan	

Nidhi Singhal

Management

Syndicate. ORMaster's degree with at least 55% marks in the aggregate in Technical Chemistry/Applied Chemistry/ Industrial Chemistry/Chemistry (with Mathematics upto graduation or an equivalent examination from Panjab University or any other recognized University.

M.E. (Food Technology)	10+1 NRI	2 Years	B.E./B.Tech. degree in Food Technology /Dairy Technology/ Agricultural Engineering/Food Engineering/ Chemical Engineering/Chemical Technology (04 years) or Five Year Integrated B.E.(Chem.) with MBA or Hons Hons
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Semester- V		Semester- VI	
Paper -1	Numerical methods in Chemical Engineering	Paper -1	Chemical Reaction Engineering-II
Paper-2	Energy Technology	Paper-2	Mass Transfer-II
Paper -3	Chemical Reaction Engineering-I	Paper -3	Process Dynamics & Control
Paper-4	Mass Transfer-I	Paper -4	Chemical Technology (Organic)
Paper-5	Chemical Technology (Inorganic)	Paper-5	Departmental Elective-I (Petroleum Processing Engineering)
Paper-6	Process Plant Design-I (Pr)		
Paper-7	Chemical Engineering Computation lab (Pr)		
Semester- VII		Semester -VIII	
Paper -1	Transport Phenomena	Paper -1	Process Instrumentation
Paper-2	Environmental Engineering	Paper-2	Process Engineering Economics
Paper -3	Process Modelling and Simulation (Pr)	Paper -3	Project work
Paper -4	Industrial Training	Paper -4	Comprehensive viva (Pr)
Paper-5	Process Plant Design-II (Pr)	Paper-5	Literature survey and Report Writing and Seminar (Pr)
Paper-6	Project work	Paper-6	Open Elective-II
Paper-7	Open Elective – I	Paper -7	Open Elective-III
Paper-8	Department Elective-II	Paper-8	Department Elective-III
B.E. (Food Technology)			
Semester -I		Semester- II	
Paper -1	Mathematics –I	Paper -1	Engineering Drawing (Pr)
Paper-2	Applied Physics (Condensed Matter)	Paper-2	Computer Programming
Paper -3	Communication Skills (Advance)	Paper -3	Inorganic Chemistry
Paper -4	Introduction to Environmental Science	Paper -4	Mathematics –II
Paper-5	Electrical & Electronics Engineering	Paper-5	Introduction to Engineering & Technology
Paper-6	Engineering Mechanics	Paper-6	Ethics and Self-Awareness
Paper-7	Workshop Practices (Pr)		
Semester III		Semester IV	
Paper -1	Element of Bio & Food Science	Paper -1	Chemical Engg Thermodynamics
Paper-2	Fluid Flow	Paper-2	Food Chemistry
Paper -3	Biochemistry & Nutrition	Paper -3	Food Microbiology
Paper -4	Process Plant Material & Energy Balance	Paper -4	

Paper -3 Process Engg. Economics Paper -4 Departmental Elective- I Paper -5 Project Work Paper -6 Literature Survey, report writing and Seminar (Pr) Paper -7 Industrial Training	Paper -3 Open Elective II Paper -4 Open Elective III Paper -5 Departmental Elective III Paper -6 Project work Paper -7 Process Modelling and Simulation Lab (Pr) Paper -8 Comprehensive Viva (Pr)
Integrated B.E. (Chemical)-MBA	
Semester- I Paper -1 Mathematics –I Paper -2 Applied Physics (Condensed Matter) Paper -3 Communication Skills (Advance) Paper -4 Introduction to Environmental Science Paper -5 Electrical & Electronics Engineering Paper -6 Engineering Mechanics Paper -7 Workshop Practices (Pr)	Semester- II Paper -1 Engineering Drawing (Pr) Paper -2 Computer Programming Paper -3 Inorganic Chemistry Paper -4 Mathematics –II Paper -5 Introduction to Engineering & Technology Paper -6 Ethics and Self-Awareness
Semester -III	Semester -IV
Paper -1 Process Plant Material & Energy Balance Paper -2 Fluid Flow Paper -3 Engineering Materials Paper -4 Mathematics-III Paper -5 Organic Chemistry Paper -6 Research Methods in Management Paper -7 Principles of Management	Paper 1 Physical Chemistry Paper -1 Mechanical operations Paper -2 Chemical Engineering Thermodynamics Paper -3 Comprehensive Viva-I (Pr) Paper -4 Chemical Technology-(Inorganic) Paper -5 Strength of Materials Paper -7 Process Equipment Design (Pr)
Semester- V	Semester- VI
Paper -1 Heat Transfer Paper -2 Mass Transfer-I Paper -3 Process Plant Design –I (Pr) Paper -4 Chemical Technology -Organic Paper -5 Departmental Elective-I Paper -6 Operations Research	Paper -1 Numerical Methods in Chemical Engineering Paper -2 Energy Technology Paper -3 Chemical Reaction Engg-I Paper -4 Chemical Engineering Computation Lab (Pr) Paper -5 Mass Transfer-II Paper -6 Process Plant Design-II (Pr) Paper -7 Open Elective-I Paper -8 Managerial Economics
Semester -VII	Semester -VIII
Paper -1 Chemical Reaction Engineering-II Paper -2 Process Dynamics and Control Paper -3 Industrial Training-I Paper -4 Project Work Paper -5 Process Engineering Economics Paper -6 Literature Survey, Report Writing and Seminar (Pr) Paper -7 Open Elective-II Paper -8 Department Elective-II Paper -9 Marketing Management	Paper -1 Transport phenomena Paper -2 Environment Engineering Paper -3 Process Modelling and Simulation (Pr) Paper -4 Project Work Paper -5 Comprehensive Viva Paper -6 Open Elective-III Paper -7 Department Elective-III Paper -8 Financial Accounting Paper -9 Business Environment
Semester- IX	Semester -X
Paper -1 Financial Management Paper -2 Functional Subject-1 Paper -3 Functional Subject-2 Paper -4 Functional Subject-3	Paper -1 Strategic Management Paper -2 Business Environment Paper -3 Production and Operation Management Paper -4 Intellectual Property Right

Semester - III		Semester- IV	
Paper -1	Chemical Engineering-III	Paper -1	Thesis
Paper-2	Industrial Pollution Control		
Paper-3	Elective		
M.Tech. (Polymer)			
Semester- I		Semester- II	
Paper -1	Polymer Physics	Paper -1	Polymer Processing Techniques
Paper-2	Polymer Chemistry & Characterization	Paper-2	Polymer Reaction Engineering
Paper-3	Macromolecular Hydrodynamics	Paper-3	Composite Materials
Paper-4	Polymer Materials	Paper-4	Polymer Product Design
Paper-5	Numerical Methods	Paper-5	Process Modeling & Simulation in Polymer Systems
Paper -6	Chemical Engineering Fundamentals	Paper -6	Process Modeling & Simulation Lab (Pr)
Paper-7	Polymer Science Laboratory-I (Pr)	Paper -7	Seminar (Pr)
Paper-8	Computer Applications (Pr)		
Semester -III		Semester- IV	
Paper -1	Elective	Paper- 1	Thesis
Paper -2	Open Elective		
Paper -3	Preliminary Thesis		
Paper-4	Polymer Science Lab.-II (Pr)		
M.E. (CHEMICAL) ENGINEERING WITH SPECIALIZATION IN ENVIRONMENTAL ENGINEERING			
Semester- I		Semester- II	
Paper -1	Mathematical Methods in Chemical Engineering	Paper -1	Heat Transfer
Paper-2	Fluid Mechanics	Paper-2	Research Methodology
Paper-3	Mass Transfer	Paper -3	Chemical Reaction Engineering
Paper-4	Chemical Engineering Thermodynamics	Paper-4	Process Dynamics & Control
Paper-5	Transport Phenomena	Paper-5	Process Modeling & Simulation
Paper-6	Air Pollution Control Engineering	Paper-6	Solid Waste Management
		Paper-7	Process Modeling & Simulation (Pr)
		Paper-8	Seminar (Pr)
Semester- III		Semester- IV	
Paper-1	Open Elective	Paper- I	Thesis
Paper-2	Elective		
Paper -3	Preliminary Thesis		

THRUST AREAS: Adsorption of some organic and inorganic pollutants from aqueous solution on activated carbons, Polyurethane-clay nanocomposites coatings, Nanomaterials and their application, Polymer based nanocomposites, Modeling of polymer reactors, Polymer Rheology, Environment Engineering, Chemical Reaction Engineering & Thermodynamics, Agro Residues and Food Processing, Biomaterials, Biopolymers, Food Product Development, Modeling and Simulation.

ALUMNI RELATIONS: Institute has a very strong alumni base. The alumni occupy positions of responsibility and eminence in all spheres of industry, academia and Government in India and abroad. They are associated with Institutions like IOCL, RIL)anta, V1ICL) Etionsn SyndelTd RubbLIZA239ctd (ISRL)anInfosys, Tc sorp34968Ltd., Vedangs5314 -17.Kelnogg BrownandRo

Saurabh Bhatia
Sharmelee Thangjam
Deepak Kumar
Veenu Mangat
Kalpana Dahiya
Naresh Kumar
Amrinder Pal Singh
Vishal Sharma
Jaget Singh

Numerical Analysis
Signal Processing
Micro grids, Power systems issues
Data Mining & Warehousing
Operation Research
Wireless and Mobile Communication
System Modeling and Control, Composite materials
VLSI and Microelectronics
Antenna and Microwave Engineering

Parul Gaur	Power Electronics, Optimization using PSO techniques and other Algorithm, Communication Engg.
Rajkumari	Parallel & Distributed Computing
Suksha Sharma	Embedded System
Monika	Software Engg.
Akashdeep	Digital Image Processing, Wireless Networks
Nirmal Kaur	Multi Processor Systems
Mamta Juneja	Digital Image Processing
Rohit Kumar	Software Engineering
Gagandeep Singh	Machine Design, Refrigeration and Air Conditioning
Aditya Kaushik	Numerical Analysis
Tukesh Soni	Mechanical Vibration
Minto Rattan	Solid Mechanics
Anil Kumar	Organic Chemistry
Renu Thapar	B-Lactam Antibiotics
Prashant K Nanda	Nuclear medicine & Synthetic in organic materials
Sonia Kapoor	Mammalian cytoskeleton and tumor biology, Bio and nanomaterials and for tissue Engg.
Madhu Khatri	Nanomedicine and Nanotoxicology
Mary Chatterjee	Cancer Biology
Jagjit Singh	Matrix Analysis
Nidhi	Data Mining
Neelam Goel	Bioinformatic, Soft Computing, Semantic Web
Sunil Bansal	Experimental High Energy Physics
Aditi Gupta	Power System Deregulation Congestion Management, Control System
Suresh Kumar	Experimental Condensed Matter Physics/Material Science
Vivek Pahwa	Electrical Machines and drives, Power systems power Electronics
Sabhyata Soni	Digital Communication, optical & Wireless Communication
Yogita	Data Mining & Databases
Preeti Aggarwal	Digital Image Processing
Nishima	Nano Science And Nano Technology
Ravreet Kaur	Parallel and distributed computing, computer networks, algorithm analysis and design
Deepthi Gupta	Wireless Sensor Networks
TEMPORARY FACULTY	
Assistant Professors	
Jyoti Sharma	Instability of nano fluids
Hitesh Kapoor	HR & Marketing
Anu Jhamb	Human Resource Management
Geetu	Quantum Information Processing
Sarvjit Singh	Wireless Communication
Garima Joshi	Gesture Recognition and Machine Learning
Daljit Kaur	Image Processing
Rajni Sobti	Mobile Adhoc Networks
Sukhvair Singh	Mobile Adhoc Networks
Renuka Rai	Theoretical Stochastic processes
Pardeep Kaur	Optical Fiber Communication & Embedded Systems
Ranjana Bhatia	Microbiology

Prabhjot Kaur
Parminder Kaur
Minakshi Garg

Operation Research
Biochemistry

M.E. in Electronics & Communication	20*+2 NRI	2 Years	B.E. or B.Tech or equivalent degree with at least 60% marks in aggregate in Electronics / Electronics & Communication Engg. / Electronic & Telecommunication Engg. from Panjab University or any other recognized University	Based on GATE Score
M.E. Mechanical Engineering	20*+2 NRI	2 Years	B.E./B.Tech with at least 60% marks in aggregate in Mechanical Engineering/ Production Engineering from Panjab University or any other recognized University.	Based on GATE Score
M.Tech. Microelectronics	12+3 SC/ST +2 NRI	2 Years	B.E./B.Tech or equivalent degree with atleast 60% marks in aggregate in Computer Science and Engineering/ Electrical/ Electrical & Electronics/ Electronics/Microelectronics/ Electronics & Electrical Communications/Electronics & Telecommunication/Electronics & Communication/Information Technology /Instrumentation Engineering/M.Sc. Applied Physics/ M.Sc. Physics with specialization in Electronics or M.Sc. in Electronics (as approved by AICTE) from P.U. or any other recognized University.	Based on GATE Score
M.E. in Information Technology	20*+2 NRI	2 Years	B.E. or B.Tech or equivalent degree with atleast 60% marks in aggregate in Information Technology/Computer Science & Engineering/ Electronics & Communication Engineering/ Electrical & Electronics Engineering/ Computer Science & Electronics Engineering/ Software Engineering from P.U. or any other recognized University.	Based on GATE Score.
M.E. in Electrical Engg. (Power System)	20*+2 NRI	2 Years	B.E./B.Tech with atleast 60% marks in aggregate in Electrical/Electrical & Electronics Engineering from P.U. or any other recognized University.	Based on PU-CET (PG) Academics: 50% PU-CET (PG):50%
M.Tech Material Science & Technology	20*+2 NRI	2 Years	M.Sc. (Physics), M.Sc. (Chemistry), B.E. Mechanical/ Electrical/Electrical & Electronics/Civil/Production/ Chemical with at least 60% marks in aggregate from Panjab University or any other recognized University.	Based on GATE Score. In case of left over seats, admission will be done on the basis of PU-CET (PG) Academics: 50% PU-CET (PG):50%
M.E. in Biotechnology	20*+2 NRI	2 Years	B.E. (Biotechnology) with atleast 60% marks in aggregate from Panjab University or any other recognized University.	Based on GATE Score. In case of left over seats, admission will be done on the basis of PU-CET (PG) Academics: 50% PU-CET (PG):50%

Paper 3 Software Testing and Quality Assurance

Paper 3 Option: Any of the following
i. Network Programming
ii. Visual Programming
iii. Java Technologies

Paper 4 Option: Any of the following
i. Information Security
ii. Business Intelligence
iii. Mobile Computing

Paper 4 Option: Any of the following
i. Soft computing
ii. Embedded systems
iii. Building enterprise applications

Paper 5 Project-I

Paper 5 Project-II

List of subjects of B.E. (Information Technology) for Academic Session 2017-18

Semester I

Semester II

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Semester VII

Paper-1	Digital Signal Processing
Paper-2	Agile Software Development
Paper-3	Compiler Design
Paper-4	Elective-II (Choose any one from the following) a) Cloud Computing b) Artificial Intelligence c) Principle of Telecommunication
Paper-5	Project-I
Paper-6	Industrial Training (after 6 th Semester)
Paper-7	Departmental Honors Course(III, IV, V) (Choose any three from the following) a) Mobile Computing b) Building Enterprise Applications c) Mobile Apps Development d) Machine Learning

Semester VIII

Paper-1	Digital Image Processing
Paper-2	Embedded System Design
Paper-3	Java Technologies
Paper-4	Elective-III (Choose any one from the following) a) Theory of Computation b) Soft Computing c) Natural Language Processing
Paper-5	Seminar
Paper-6	Project II OR
Paper-7	Industrial Training 6 months

Semester-V

Semester-VIH

ADD BOOK De

Paper-4 Cell Biology & Genetics
 Paper-5 Linear Algebra and Operations Research
 Paper-6 Elective
 a. Economics
 b. Introduction to Psychology
 c. Sociology

Paper-4 Industrial Biotechnology
 Paper-5 Immunology & Immuno-technology

Semester-V

Semester-VI

Paper-1 Enzyme Engineering & Technology
 Paper-2 Bio-Process Engineering
 Paper-3 Animal Cell Culture & Biotechnology
 Paper-4 Transport Phenomena
 Paper-5 Bioinstrumentation
 Paper-6 Training of 4- 6 weeks after 4th
 semester exams

Paper-1 Recombinant DNA Technology
 Paper-2 Bio-Informatics
 Paper-3 Bioreactor Design and Operation
 Paper-4 Down Stream Processing
 Paper-5 Open Elective (Biomaterials)

Semester-VII

Semester-VIII

Paper-1 Environmental Biotechnology
 Paper-2 Food Biotechnology
 Paper-3 Plant Tissue Culture
 Paper-4 Bio-analytical Techniques
 Paper-5 Minor Project
 Paper-6 Training of 4- 6 weeks after 6th
 semester exams

Paper-1 Major Project
 Paper-2 Enzyme catalyzed Organic Synthesis
 Paper-3 Project Management and Entrepreneurship
 Paper-4 Modeling and Simulation of Bioprocesses
 Paper-5 Elective
 Paper-6

Semester-V		Semester-VI	
Paper-1	Power Systems-II	Paper-1	Computer Aided Power Systems Analysis
Paper-2	Micro Controllers	Paper-2	Programmable Logic Controller and Distributed Control System
Paper-3	Communication Engineering	Paper-3	Signals and Systems
Paper-4	Electromagnetic Field Theory	Paper-4	Energy Management & auditing
Paper-5	Control Engineering-II	Paper-5	Power Electronics
Paper-6	Vocational Training after Fourth Semester		
	Subjects offered by DIC (OPTIONAL)		Subjects offered by DIC (OPTIONAL)
Paper-7	Principles of Designing and Engineering Processes	Paper-6	Sensors based Application Systems
Semester-VII		Semester-VIII	
Paper-1	Power Electronic and Drives	Option-I	
Paper-2	Electrical Engineering material	Paper-1	Non – Conventional Energy Sources
Paper-3	Digital Signal Processing	Paper-2	Wireless Communication
Paper-4	Elective-I	Paper-3	Elective –II
	c. Electrical Traction		a. Electrical Machine Design
	d. Electrical Power Generation		a. High Voltage AC-DC

Paper-5 Manufacturing Technology- II
 Paper-6 Fluid Machinery
 Paper-7 Vocational Training-1 (After 4th Semester)
 Paper-8 Optional- Principles of Designing

Paper-5 Materials and Heat Treatment
 Paper-6 Non Conventional Manufacturing

Semester-VII

Paper-1 Refrigeration and Air Conditioning
 Paper-2 Automatic Controls
 Paper-3 Automobile Engineering
 Paper-4 Total Quality Management
 Paper-5 Minor Project
 Paper-6 Vocational Training after 6th semester
 Paper-7a Elective-I Thermal Plant Engineering

Semester-VIII

Paper-1 Mechatronics
 Paper-2 Operation Research
 Paper-3 Computational Fluid Dynamics
 Paper-4a Elective-II Experimental Stress Analysis
 b Metrology
 c Mechanical Handling

M.E. (Electronics & Communication Engineering)			
Semester-I		Semester-II	
Paper-1	Advanced Digital Signal Processing	Paper-1	Embedded System Design
Paper-2	Fiber-Optic Communication Systems	Paper-2	Digital Image Processing
Paper-3	Advanced Digital Communication	Paper-3	Wireless & Mobile Communication
Paper-4	Digital System Design	Paper-4	Elective-II (Any one of the following) 1. Network Programming 2. PLC & SCADA 3. VLSI Design 4. Nano Electronics
Paper-5	Elective-I (Any one of the following) 1. Advanced Mathematics 2. Bioinformatics 3. Modeling & Simulation of Communication Systems 4. Information Theory & Coding	Paper-5	Elective -III (Any one of the following) 1. Advanced Computer Networks 2. Multimedia Communication 3. Satellite Communications 4. Design & Applications of New Materials 5. RF & Microwaves
Paper-6	Research Seminar-I	Paper-6	Research Seminar-II
Semester-III		Semester-IV	
Paper-1	Elective- IV (Any one of the following) 1. Neural Network & Fuzzy Logic 2. Simulation & Modeling 3. Smart Systems Technologies	Paper-1	Thesis
Paper-2	Elective-V (Any one of the following) 1. Advanced Antenna Systems 2. Cryptography & Network Security 3. Imaging and Additive Manufacturing 4. HRD & Training Methods 5. Research Methodology		
Paper-3	Preliminary Thesis Work		
M.E. (Mechanical Engineering)			
Semester-I		Semester-II	
Paper-1	Advanced Engineering Mathematics	Paper-1	Fluid Dynamics
Paper-2	Design of Experiments	Paper-2	Advanced Manufacturing Processes
Paper-3	Continuum Mechanics	Paper-3	Advances in Engineering Materials
Paper-4	Advanced Heat Transfer	Paper-4	Structural Dynamics
Paper-5	Elective-I a Quality Control and Reliability b Manufacturing Science c Welding Techniques d Tool and Cutter Design e Condition Monitoring and Fault Diagnosis f Industrial Tribology g Gas Dynamics	Paper-5	Elective-II a Advanced Mechanics of Materials b Experimental Stress Analysis c Mechanical Behavior of Materials d Composite Materials e Model Updating f Advanced Control System g Mechatronics h Imaging and Additive Manufacturing
Semester-III		Semester-IV	
Paper-1	Advanced Machine Design		Thesis

Paper-2 Elective-III	
<ul style="list-style-type: none"> a Finite Element Method b Modelling of Manufacturing Systems c Computational Fluid Dynamics d Vibration Testing e Optimization Techniques f Materials Design 	
M.Tech (Microelectronics)	
Semester-I	Semester-II
Paper-1 Semiconductor Device physics Paper-2 Integrated Circuit Technology. Paper-3 MOS Integrated Circuit Modeling. Paper-4 Hardware Description Languages and VLSI Design. Paper-5 Elective- I (Any one of the following) <ul style="list-style-type: none"> 1. Computer Aided Design Methodologies and Tools. 2. Material Science & Engineering. 3. Embedded System Design Paper-6 Research Seminar - I	Paper-1 Measurement and Characterization Techniques. Paper-2 Architecture of VLSI System. Paper-3 Analog and Mixed Signal Device Design. Paper-4 Advanced Memory Technology and Design. Paper-5 Elective- II (Any one of the following) <ul style="list-style-type: none"> 1. Digital Integrated Circuits and Systems. 2. MEMS and Microsystems. 3. RF and High Speed Digital Design Paper-6 Research Seminar-II
Semester-III	Semester-IV
Paper-1 Low Power Digital CMOS Design Paper-2 Elective- III (Any one of the following) <ul style="list-style-type: none"> 1. Microelectronic Packaging and Testing 2. Nano Scale Devices and Systems Paper-3 Preliminary Thesis Work	Paper-1 Thesis
ME (Information Technology)	
Semester I	Semester II
Paper- 1 Advanced Algorithm Analysis Paper- 2 Object oriented Analysis and Design Paper- 3 Advanced Digital Signal Processing Paper- 4 Wireless and Mobile Communication Paper- 5 Information Security Paper- 6 Research Seminar I	Paper- 1 Agile Software Development Paper- 2 Multimedia Systems Paper- 3 Embedded System Design Paper- 4 Research Seminar II Paper- 5 Any one of the following <ul style="list-style-type: none"> a) Research Methodology b) Advances in Soft Computing c) Theory of Computation Paper 6 Any one of the following <ul style="list-style-type: none"> a) Software Testing and Quality Management b) HRD and Training Methods c) Advanced Digital Image Processing
Semester III	Semester IV
Paper- 1 Any one of the following <ul style="list-style-type: none"> a) Network Management and Security b) User Interface Design c) Cloud Computing 	Paper 1 Thesis Work

Paper-2	Any one of the following a) Big Data and Analytics b) Advanced Data Mining c) Advanced Computer Networks		
Paper-3	Project Based Thesis Work - I		
M.E. (ELECTRICAL & ELECTRONICS)			
Semester I		Semester II	
Paper-1	Advanced Power System Analysis	Paper-1	Power Systems Dynamics and Stability
Paper-2	Power System Operation And Control	Paper-2	EHVAC Transmission
Paper-3	Optimization Techniques	Paper-3	Advanced Neural Networks and Fuzzy Logic
Paper-4	Digital Control Systems	Paper-4	Elective-I a. Advanced Power Electronic and Drives b. Modeling and analysis of Electrical Machines c. Applied Instrumentation
Paper-5	Power Quality	Paper-5	Elective-II a. Advanced Power System Protection b. Fast Transients in Power Systems
		Paper-6	Research Seminar
Semester III		Semester IV	
Paper-1	Elective-III a. Power System Deregulation b. Power System Reliability	Paper-1	Thesis
Paper-2	Elective-IV a. HVDC Transmission b. Flexible AC transmission Systems (FACTS)		
Paper-3	Preliminary Thesis		
M.TECH MATERIAL SCIENCE & TECHNOLOGY			
Semester I		Semester II	
Paper-1	Materials and their Properties	Paper-1	Advanced Material Characterization
Paper-2	Material Characterization-MST-	Paper-2	Ceramics and Biomaterials
Paper-3	Physics of Nano-materials	Paper-3	Solid State Phase Transformations
Paper-4	Thermodynamics MST	Paper-4	Semiconductors and Optoelectronics
Paper-5	Research Methodology MST	Paper-5	Polymers
Semester III		Semester IV	
Paper-1	Magnetism and Super conductivity		Thesis Work
Paper-2	Nanomaterials		
Paper-3	Preliminary Thesis Work		
M.E. (BIOTECHNOLOGY)			
Semester-I		Semester-II	
Paper-1	Advances in Biochemistry	Paper-1	Research Methodology
Paper-2	Biotechniques	Paper-2	Bioprocess and Bioreactor Engineering
Paper-3	Microbial Biotechnology	Paper-3	Enzyme Engineering
Paper-4	Bioseparation and Bioprocess technology	Paper-4	Genetic Engineering
Paper-5	Elective I a. Stem Cell Biology b. Cell & Cell Technology c. Food Processing and Biotechnology	Paper-5	Elective II a. Advances in Biomaterials b. Biopharmaceutical Technology c. Protein Engineering

Semester-III		Semester-IV	
Paper-1	Elective III a Nano Biotechnology and Nano Devices b Agriculture Biotechnology c Bioprocess Control & Instrumentation	Paper-1	Thesis Work – II
Paper-2	Elective IV a Biological Waste Water Engineering b Biostatistics & Computer Applications c Polymer Science & Engineering		
Paper-3	Thesis Work – I		

THRUST AREAS: Faculty is involved in research in thrust areas like Active Noise Control, Traffic Sensing and Information Technologies, Medical Devices and Restorative Technologies, Energy Harvesting and Management Technologies, Transparent Ceramic Material and Technologies, Medical Image Processing, Computer Networking, Cloud Computing, Nano-Materials, Stem Cells, Wireless Communications, Power Systems, Composite Materials etc.

PLACEMENTS: The objective of Training and Placement Cell (TPC) is to provide the best training and placement opportunities to students. Efforts are made by the dedicated members of the team to approach companies and to invite them on campus to recruit students and to provide them the internship opportunities. Over the past many years, UIET has built a strong relationship with many companies that visit UIET on regular basis to recruit students.

TPC also organizes special lectures and soft skills programmes regularly, wherein experts from industry are invited and they make students aware about the latest happenings in the industry and guide them about how to prepare for group

of discussion were Subsea Engineering, installation of oil well, electric power optical and chemical supply. He gave in depth knowledge to the students regarding the field.

- **Seminars for the students of UIET :** The Office has successfully organised many seminars for the students of UIET. These seminars range from technical lectures to informative interactions with experts and our experienced UIET Alumni. In 2016, we successfully organised 3 seminars-
 1. Career Advancement Convention- An interactive session was held at the campus of UIET, Panjab University on Sept 16, 2016 between the students of UIET and various experts in higher education and entrepreneurship. Career Advancement Convention was a workshop oriented towards mentoring students. This included talks on opportunities and way forward in industry, research and Higher Studies (Indian and Global), with a focus on how students can align themselves with a rapidly changing business and technical environment. The students were also made aware about the patterns and syllabi of various entrance exams they can take after their graduation.
 2. Automation - This talk themed "Automation" was held on Nov 7, 2016. The talk was delivered by Ashish Chawla who has been associated with UIET from 2003 (soon after UIET's inception). He showed the students with the help of statistics, how robots and artificial intelligence is taking over the jobs humans used to do, and are doing them better than us. He suggested the students, to build their own parachute by having a good skill set because it is only their skill that is going to back them when they graduate. The world needs quality performers in the future, and there is no room for mistakes anymore.
 3. Basics of IP - The talk that was themed "Intellectual Property Rights" was held on Nov 7, 2016. The talk was delivered by Neha Dangi. Neha is a lawyer with over 6 years of experience, with a specialization in the area of Intellectual Property matters. The talk was organized to set the ball rolling for the new IPR Cell being started at the college. The cell aims to help students/research scholars at the college in getting legal advice and filing patents. She told the students how patents is a way by which the government protects an idea, in return for public disclosure of the same by the creator. She highlighted how it was a smart move to file a patent for anything that you may have a produced, and you think is unique. Since having a patent holds great value on a person's profile, she explained how a patent uplifts the value of both, the idea and the creator of the idea. She also showed the students the basic application form for filing patents, various details that needed to be filled in and also covered aspects such as cost of patents, validity etc.
- **Active Role in NBA Accreditation:** The Office played its role in accreditation through maintaining the database for the UIET Alumni. The Office also invited Alumni from various fields to interact with the NBA committee for their feedback.
- **Setting up of IPR Cells for UIET:** The office has been constantly working towards setting up of a IPR Cell for the Btech students of UIET. The policy letter has already been drafted and sent for approval.
- **Scholarship Disbursement:** The policy for the scholarship disbursement to the deserving students of UIET has also been drafted and sent for approval.

All of this would not have been possible without consistent support and guidance from the college administration and the faculty. We express our gratitude towards the faculty and administration, and wish to see a much better year ahead.

UNIVERSITY CENTRE OF INSTRUMENTATION AND MICROELECTRONICS (UCIM)

ABOUT THE CENTRE

The University Centre of Instrumentation and Microelectronics (UCIM) was established in 1995 and offers M.Tech. (Instrumentation) and M.Sc. (Instrumentation) Courses, each of 2 years (4 semesters) duration. The objective of the centre is to generate trained manpower for Modern Sophisticated Instrumentation and for Microelectronics applications. The facilities available have been supplemented by combining with it the DST funded Sophisticated Analytical Instrumentation Facility (SAIF), Central Instrumentation Laboratory (CIL) and University Science Instrumentation Centre (USIC) which are housed in the same building.

FACULTY

Designation	Name
Professor	Surinder Kumar Mehta (Director)
Associate Professor	H.P.S.Kang
Assistant Professors	Poonam Kumari, Ramesh K. Sharma, Anil K. Sharma

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
M.Tech (Instrumentation)	10+3SC/ ST+2NRI	2 Years	Passed one of the following examinations from a recognized University: B.E./B.Tech. (Chemical / Computer / Electrical / Electronics / Mechanical / Production / Instrumentation / Bio-medical Engineering or equivalent degree /M.Sc. in Physics / Electronics / Instrumentation (as approved by AICTE) with minimum 50% marks in aggregate.	Based on GATE GATE Score: 50% Academic: 50%
M.Sc. (Instrumentation)	20	2 Years	B.Sc. (Physics / Electronics / Instrumentation Science / Computer Science / Vocational Physics / Electronics) OR B.E. (E&TC/Instrumentation/ Electrical and Electronics / Electronics & Electrical Communication Engineering) with minimum 50% marks in aggregate.	Based on Merit

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.Tech (Instrumentation)

Semester-I		Semester-II	
INS 61.01	Signal Processing-I	INS 62.01	Microprocessors in Instrumentation
INS 61.02	Analog & Digital Electronics	INS 62.02	Automatic Control System
INS 61.03	Transducers-I	INS 62.03	Analytical Instrumentation
INS 61.04	*Foundation of Measurement	INS 62.04	*Robotics
INS 61.05	*Photonics	INS 62.05	*Medical Instruments
INS 61.06	*Design of Mechanical Elements	INS 62.06	*Signal Processing-II
INS 61.07	*Process Dynamics & Control	INS 62.07	*Transducers-II
Semester-III		Semester-IV	
INS 71.01	*Computer Aided Design & Computer Aided Manufacturing	INS 72.01	Major Project & Thesis
INS 71.02	*Instrumentation for Special Applications		
INS 71.55	Major Project		
INS 71.03	*Selected Topics		
INS 71.04	* Virtual Instrumentation		
	*Elective Subject		

M.Sc. (Instrumentation)

Semester-I		Semester-II	
SEM PO 11	Sensors, Transducers and Actuators for Instrumentation	SEM PO 21	Microprocessor based Instrumentation & System Design
SEM PO 12	Signal conditioning, processing and interfacing techniques	SEM PO 22	Control System Design
SEM PO 13	Instrumentation components, devices and assemblies	SEM PO 23	Power Electronics
SEM PO 14	Principles of Test and Measuring Instruments	SEM PO 24	Process Control and Automation
SEM PO 15	Digital Electronics	SEM PO 25	Optical Instrumentation & Photonics

Semester-III		Semester-IV	
SEM PO 31	Biomedical Instrumentation	SEM PO 41	Seminars
SEM PO 32	Instrumental methods of Analysis	SEM PO 42	Comprehensive Viva
SEM PO 33	Advanced Fabrication Technique and Materials	SEM PO 43	Project Work & Project Report
SEM PO 34	Instrumentation Laboratory visit		
SEM PO 35	Project Work		

THRUST AREA: The Centre houses sophisticated instruments and facilities under SAIF viz-TEM, SEM, NMR, LC-MS/MS, XRD powder, CHN-SO, UV-VIS-NIR, WD-XRF, FTIR SPECTROMETER, LIQUID NITROZEN PLANT. The SAIF has undergone a rejuvenation phase by replacing some key instruments by state-of-art counterparts. The facilities of the centre go a long way in improving the quality of Research being carried out in Research Institutes and Universities in the entire region comprising the states of Punjab, Haryana, HP, UP, Rajasthan and even Eastern, Western and southern parts of the country. These facilities are also made available to the Industry. It also runs training programmes in technical skills for the benefit of scientific community and associated laboratory staff from different institutes.

PLACEMENT: The students in our department are less in number. Thus students are advised to submit their bio-data along with UIET students during the AVSAR UIET Job Fair conducted at University Campus.

ALUMNI RELATIONS: Department is endeavoring to have its alumni association.

VII. FACULTY OF LANGUAGES

DEPARTMENT OF CHINESE AND TIBETAN LANGUAGES

ABOUT THE DEPARTMENT

The Department of Chinese and Tibetan Languages was established in 1964 under the name of Central Asian Studies with the aim to teach Chinese language, Tibetan language and to provide language assistance for the research work undertaken in the respective thrust areas. It was renamed as Department of Chinese and Tibetan Languages in 2003. At present the department offers courses in Chinese and Tibetan. The department also provides research guidance in Chinese Language, Chinese Studies, Tibetan Language, Buddhist Studies. The faculty members participate regularly in national and international seminars and conferences.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Damodar Panda	Chinese Language, Chinese Studies
	Vijay Kumar Singh (Chairperson)	Tibetan Language, Buddhist Studies

COURSES OFFERED (ANNUAL SYSTEM / SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
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Diploma in Tibetan	17	1 Year	Certificate in Tibetan from any recognized University	Based on Merit
Diploma of Proficiency of Interpretership in Tibetan	11	1 Year	Diploma in Tibetan from any recognized University	Based on Merit
PG Diploma in Buddhist Studies	20	1 Year	Graduation in any discipline from any recognized University.	Based on Merit
M.A. Buddhist and Tibetan Studies	Private	2 Year	Graduation in any discipline from any recognized University.	
Ph.D. in Chinese /Chinese Studies	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	
Ph.D. in Tibetan/ Buddhist Studies	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

*5% Concession admissible in eligibility marks to SC/ST/BC/PwD) Candidates

TITLES OF SYLLABI: Detailed syllabi available at <http://pu.chd.ac.in/syllabus.php>.

Certificate in Chinese				Diploma in Chinese			
Paper-1	Translation	Paper-2	Grammar and Essay	Paper-1	Translation	Paper-2	Grammar and Essay
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Advance Diploma in Chinese				Certificate in Tibetan			
Paper-1	Translation	Paper-2	Grammar and Essay	Paper-1	Translation	Paper-2	Grammar and History
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Diploma in Tibetan				Diploma of Proficiency of Interpretership in Tibetan			
Paper-1	Colloquial Tibetan and History of Tibet	Paper-2	Grammar and Composition	Paper-1	Translation & Transcription	Paper-2	History of Tibet and Composition
Paper-3	Viva-Voce			Paper-3	Viva-Voce		
Post Graduate Diploma in Buddhist Studies							
Paper-1	History & Philosophy Buddhism			Paper-2	Buu		

DAYANAND CHAIR FOR VEDIC STUDIES

ABOUT THE CHAIR

The department of Dayanand Chair for Vedic Studies was established in 1975. The aims and objects of the Chair include the research work on Vedas, Philosophy of Swami Dayanand and Vedic Interpretation of Dayanand. Contribution of Dayananda to Vedic Studies & Indian Philosophy is well known to the Sanskrit World. Research leading to PhD degree is conducted. Published Research work by the faculty in the journals of Vedic Studies contributes to the academic growth of the knowledge concerning various Vedic Texts.

There are two permanent positions in the faculty, one of a Professor and the other of a Assistant Professor. There is one tenure post of Research Fellow. At present Prof. Virendra Kumar Alankar is the Chairperson of the department.

FACULTY

Designation	Name	Field of Research Specialization.
Professor	Virendra Kumar Alankar (Acting Chairperson)	Ved, Grammar, Darshan & Literature

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility	Admission Criteria
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus-2017	

THRUST AREAS: The research work on Vedas and Vedic Literature, Philosophy of Swami Dayananda and his interpretation of the Vedas and historical study of Arya Samaj & Vedic Thinkers.

07.6UT THE CHAIR

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	95+5**+15NRI	2 Years	Passed one of the following qualifications from Panjab University or recognized University/Institute: Bachelor's Degree obtaining at least 45% marks in English Elective or English Compulsory subject OR Bachelor's Degree in any faculty obtaining 50% marks in the aggregate. OR B.A. with (Hons.) in English. OR B.A./B.Sc. with (Hons.) in subject other than English obtaining at least 50% marks in aggregate. OR Masters Degree in any other subject with 50% marks in aggregate.	Based on PU-CET (PG) Academics : 50% PU-CET (PG) : 50% Minimum marks to qualify Entrance Test :35%
English Proficiency Course	25	20 Days***	10+2 in any stream.	
M.Phil.	20+2 (NRI)	1 Year	See M.Phil./Ph.D. Prospectus-2017	
Ph.D.	10	3-6 Years	See M.Phil./Ph.D. Prospectus-2017	

*5% Concession admissible in eligibility marks to SC/ST/BC/PwD) Candidates

**5 seats reserved for Vocational subject (Functional English)

***(taught course)+Online Component

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M. A.

Semester I		Semester II	
Paper-1	Literary Criticism- I	Paper-1	Literary Criticism- II
Paper-2	British Poetry-I	Paper-2	British Poetry-II
Paper-3	British Drama-I	Paper-3	British Drama-II
Paper-4	British Fiction-I	Paper-4	British Fiction-II
Semester III		Semester IV	
Paper-1	Literary Theory- I	Paper-1	Literary Theory- II
Paper-2	Indian Writing in English	Paper-2	Indian Writing in Translation
Paper-3 (Optiona)	Postcolonial Studies-I (opt. i) Linguistics-I (opt. ii) American Literature-I (opt. iii) (from 1800 to the present) Indian Literary Criticism and Theory-I (opt. iv)	Paper-3 (Options)	Postcolonial Studies-II (opt. i) Linguistics-II (opt. ii) American Literature-II (opt. iii) Indian Literary Criticism and Theory-II (opt. iv)
Paper-4 (Options)	Cultural Studies – I (opt. i) Applied Linguistics-I (opt. ii) World Drama in Translation (opt. iii) Shakespeare-I(opt. iv)	Paper-4 (Options)	Cultural Studies – II (opt. i) Applied Linguistics-II (opt. ii) World Drama in Translation (opt. iii) Shakespeare-II (opt. iv)

English Proficiency Course: The English Proficiency Course is a course for the development of English language skills (Listening, Speaking, Reading and Writing). It aims to provide practice in the exercise of all these skills leading to the proficient and effective use of the English language. The course is in two parts: a taught component run by the Department of English and Cultural Studies, Panjab University to initiate and provide face-to-face interaction, and an online component from 'Skills Anytime' to provide individualised learning pathways for language development according to the level of each learner. The course is open to both international and Indian students of Panjab University.

Skill Areas:

1. Listening : Tasks and activities from recorded material
2. Speaking: Practice of Spoken English in situations: Speech Sounds, stress and tone
3. Reading: Exercises in reading comprehension
4. Writing: Basic writing tasks e.g. description, note-making, letters

THRUST AREAS: The Department concentrates on a wide range of subjects which includes: British Literature (Poetry, Prose, Fiction and Drama), American Literature, World Literature, Post-Colonial writings, Critical Theory, Australian Literature, Linguistics & Communication Skills, Feminism (Theory & Practice) Film & Media, Discourse and Cultural Studies.

PLACEMENT: Every year, some of our students opt for teaching jobs in schools, colleges and universities. A small number begins the tough task of competing in the examination process for the all-India and state level civil services. The department attracts requests for recruitment from diverse employers such as the Indian Air Force for content writers, PR agencies such as Quick Relations, The Hindustan Times, The Tribune, The Times of India and HR organisations such as placement consultants. A fair amount of students are recruited by private institutes such as Grey Matters and British Counsel.

ALUMNI RELATIONS: The Department has a strong base and abiding relationship with its alumni. Meetings, blood donation camps and cultural events are organized yearly. Yearly scholarships are given to needy students by the alumni.

DEPARTMENT OF FRENCH AND FRANCOPHONE STUDIES**ABOUT THE DEPARTMENT**

After having shifted to Chandigarh in 1957 the Department of French & Francophone Studies has grown steadily, and is the most vibrant among foreign language departments. It is the only department among Indian universities in the North of Delhi which offers courses of all levels from Certificate to M.A and Ph.D. In an endeavor to keep pace with the changing times, and to participate in economic development, the course contents are revised and new components introduced from time to time. The infrastructure is continuously being upgraded and computers and projectors are also used in classrooms besides other audio-visual aids in foreign language teaching. New books are added every year to the department library 'Bibliothèque Michel Deon' named after the renowned writer and member of Académie Française, Michel Deon.

The department arranges lectures by eminent scholars, encourages participation in extracurricular activities and organizes competitions under the aegis of the French Literary Society, of which all enrolled students become members. Many of our alumni have got placement in good multinational companies as well as in universities, colleges and schools in the country. The faculty participates regularly in national and international conferences to present papers and update skills.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Cecilia Antony	Theatre (XXth Century)
Associate Professors	M.G. Singh	Linguistics
Re-employed	Gunita Randhawa	Translation
Assistant Professor	Ramnik Aurora (Chairperson)	Travel Literature

COURSES OFFERED (ANNUAL SYSTEM / SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility*	Admission Criteria
Certificate	200 + 20 NRI	1 Year	Minimum +2 examination of the Board of School Education, Punjab/Haryana or Central Board of Secondary Education, Delhi. OR any examination of another University/Board/ Body recognized by the Syndicate as equivalent	Based on Merit
Diploma	50 + 5 NRI	1 Year	Certificate course in French/B.A.I with French elective/A2 de L Alliance Francaise /Equivalent exam. recognized by P.U.	Based on Merit

Advanced Diploma	29 + 3 NRI	1 Year	Diploma Course in French / B.A.II with French Elective/equivalent exam. recognized by P.U /B1 de L Alliance Francaise.	Based on Merit
M.A.**	17 + 2 NRI	2 Years (4 Semesters)	Passed one of the following examinations from a recognized University: A Bachelor's Degree obtaining atleast 45% Marks in French or 50% Marks in the the aggregate. OR B.A. (Hons) in French or B.Sc.(Hons.) course from a recognized University. OR A Bachelor's Degree with 50% marks having knowledge of French equivalent to that of Graduation level /Advanced Diploma from a recognized University. OR A Bachelor's Degree having knowledge of French equivalent to that of Graduation level/Advanced Diploma with 45% Marks from a recognized University. OR Master's degree in any other subject having knowledge of French equivalent to that of Graduation level/Advance Diploma from a recognized University	Based on Merit
Ph.D.	3	3-6 Years	See M.Phil./Ph.D. Prospectus-2017	
* 5% Concession admissible in eligibility marks to SC/ST/BC/PwD Candidates ** A candidate shall apply for M.A. in French only if he/she has knowledge of the language				

TITLES OF SYLLABI: Detailed syllabi available at <http://puhd.ac.in/syllabus.php>.

CERTIFICATE COURSE

PAPER -1 Composition, Translation & Civilization PAPER -2 Grammar & Comprehension	PAPER -3 Conversation, Oral Comprehension & Reading PAPER -4 Internal Assessment
DIPLOMA COURSE PAPER -1 Composition, Letter writing & Grammar PAPER -2 Literature, Civilization, Comprehension & Translation	PAPER -3 Reading, Conversation & Question- Answers PAPER -4 Internal Assessment
ADVANCED DIPLOMA PAPER -1 Grammar, Comprehension and Text PAPER -2 Drama & Short Story	PAPER -3 Civilization, Precis and Written Expression PAPER -4 Viva -voce and Internal Assessment

M.A.

Semester-I		Semester-II	
FRH 101	History of French Literature (16 th & 17 th centuries)	FRC 201	French Civilization (Geography, History French Revolution onwards)
FRL 102	Linguistics	FRL 202	Linguistics (Structural linguistics)
FRD 103	French Drama (17 th & 18 th centuries)	FRD 203	French Drama (19 th 20 th centuries)
FRT 104	Translation (Theory & Commentary)	FRT 204	Translation (Theory & applied)
Semester-III		Semester-IV	
FRC 301	French civilisation (cinema, music, beaux-arts)	FRH 401	History of French Literature (18 th , 19 th , 20 th centuries)
FRP 302	French Poetry (17 th & 19 th centuries)	FRP 402	French Poetry (20 th century)
FRN 303	French Novel (18 th & 19 th centuries)	FRF 403	French & Francophone Novel, (20 th Century)
FRM 304	Methodology of teaching French	FRM 404	Methodology of teaching French

GURU RAVI DASS CHAIR OF SANT SAHITYA STUDIES

ABOUT THE CHAIR

Guru Ravi Dass Chair of Sant Sahitya Studies is set up to study and research on various aspects of the life, work and teachings of the mystic poet, thinker and philosopher of 15th century Bhakti Movement, Guru Ravi Das. Often given the honorific title of 'bhagat' or 'saint', Guru Ravi Das is attributed with a large body of hymns, verses and poems that speak of universal brotherhood, tolerance, socialism, secularism, equality and breaking of caste and gender based hierarchies. Special emphasis is also laid on the study and research of Medieval Indian Sant Sahitya. The Chair encourages subject specific as well as comparative study and research of all Medieval Indian literature.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Pratibha Nagpal (Chairperson)	Ved, Grammar, Darshan & Literature

COURSE OFFERED

Course	Seats	Duration	Eligibility	Admission Criteria
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus	-2017

DEPARTMENT OF HINDI

ABOUT THE DEPARTMENT

The Department of Hindi was established in 1938. It is one of the oldest Hindi Departments in the country. During early Sixties, the legendary scholar, Acharya Hazari Prasad Dwivedi joined the Department as the Head. Since then, the Department has undoubtedly been one of the major centers of Hindi Studies in the country. The department provides good infrastructure, including computerization and Departmental Library for students and researchers. The Department has obvious contribution towards research in Hindi Studies through the works of Acharya Hazari Prasad Dwivedi, Dr. Ganpati Chander Gupt, Dr. Ramesh Kuntal Megh, Dr. Indernath Madan, Dr. Dharam Pal Maini, its great teachers. The Department has been publishing a leading national journal of Research namely, 'Parishodh.' Well-known Hindi writers such as Mohan Rakesh, Ravinder Kalia, Dr. Ganga Prasad Vimal, Dr. Virendra Mehendiratta, Dr. Paresh, and Dr. Atul Vir Arora have been among its students.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Pratibha Nagpal (Chairperson)	Ved, Grammar, Darshan & Literature

Diploma Course in Translation (English to Hindi)	68	1 Year (Annual)	Bachelor's Degree or equivalent Exam from a recognized University.	Based on Aptitude Test. Academic: 50% Written Test:50%
Ph. D.	14	3- 6 Years	See M Phil/Ph.d prospectus 2017	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.				

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
Paper-1	HSM(Hindi Sahitya Ka Aadikal or Madyakal)	Paper-1	HSK(Hindi Sahitya Ka Aadhunik kal)
Paper-2	AHK (Aadhunik Hindi Kavya)	Paper-2	AHK (Aadhunik Hindi Kavya)
Paper-3	AGS(Aadhunik Hindi Gadhya Sahitya)	Paper-3	AGS(Aadhunik Hindi Gadhya Sahitya)
Paper-4	BKS(Bhartiya Kavya Shastra Ke Sidhant)	Paper-4	PKS(Pashchatya Kavya Shastra Avem Samkaleen Aalochna Sidhant)
Semester-III		Semester-IV	
Paper-1	BHV(Bhasha Vigyan Avem Hindi Bhasha)	Paper-1	BHV(Bhasha Vigyan Avem Hindi Bhasha Ka Adhyan)
Paper-2	PMK(Pracheen Avem Madhya Kaleen Kavya)	Paper-2	PMK(Pracheen Avem Madhya Kaleen Kavya)
Paper-3	1. TSA(Tulsidass ke Sahitya Ka Adhyayan) 2. SAK (Surdas Avem Anya Krishan Bhagat Kavi) 3. HUP(Hindi Upnayas) 4. HNK(Hindi Natak) 5. HPS(Hindi Paterkarita ka Sawroop Aur Vikas)	Paper-3	1. TSA(Tulsidass ke Sahitya Ka Adhyayan) 2. SAK (Surdas Avem Anya Krishan Bhagat Kavi) 3. HUP (Hindi Upnayas) 4. HNK (Hindi Natak) 5. VHP (Vyabharik Hindi Paterkarita)
Paper-4	MLA (Media Lekhan Aur Anuvad)	Paper-4	BAS (Bhartiya Sahitya)

THRUST AREA :Medieval and Modern Hindi Literature, Indian Poetics. Specialization: Philology, Tradition of Hindi Ram Kavya, Hindi Fiction, Modern Hindi Poetry and Prose etc.

DEPARTMENT OF PUNJABI

ABOUT THE DEPARTMENT

The Department of Punjabi was established in 1948 with its Campus at Khalsa College, Amritsar. Later on, it was shifted to Panjab University Campus in 1957. Its founder head Dr. Mohan Singh Diwana was eminent scholar of Persian, Sanskrit, Punjabi and oriental languages. The pioneer work of compilation of historiography and history of Punjabi literature was initiated by him and completed by the faculty of the Department of Punjabi into three volumes, Professor Surinder Singh Kohli, Prof. Harnam Singh Shaan, Prof. Vishwa Nath Tiwari, Prof. Attar Singh, Dr. Balbir Singh Sandhu and Prof. Kesar Singh Kesar, etc. the scholars of repute in Punjabi Literary world, have enriched the intellectual strength of department with their expertise. This Department is a premier institution in the Northern-India. At present, all faculty members are well-known in their areas of specialization and research. In the past, many National and International level seminars and, two World Punjabi Conferences were organized. Extension Lectures of eminent scholars in their research areas have been invited from time to time. At present, Prof. Sukhdev Singh, Prof. Yograj and Dr. Sarabjit Singh have their expertise in the study of Modern Punjabi Literature. Prof. Nahar Singh, has significantly contributed in the areas of Culture and Folklore. The Publication of bi-annual Research Journal 'Parkh' is restarted, after a long gap. The ISSN number of this research journal is 2320-9690.

FACULTY

Designation	Name	Field of Research Specialization
Professor (Re-employed) Professors	Nahar Singh	Culture & Folklore
	Uma Sethi (Chairperson)	
	Sukhdev Singh	
Associate Professor	Yograj Angrish	Modern & Medieval Punjabi Poetry and Literary Criticism
	Sarabjit Singh	Modern Punjabi Poetry and Literary Criticism Modern Punjabi Poetry

COURSES OFFERED (SEMESTER SYSTEM / ANNUAL SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.A.	68	2 Years	Passed one of the following examinations from a recognized University/Institute: Bachelor's Degree obtaining at least 45% marks in the subject of Post-Graduate course or 50% marks in aggregate provided the candidate has passed Punjabi as an elective or literature subject. OR B.A. with (Hons) in Post-Graduate course or B.Sc. (Hons.) Course OR Master's degree examination in any other subject provided the candidate has studied Punjabi compulsory at graduate level	Based on Merit
Cert. Course in Functional Punjabi	31+4 NRI	1 Year (Annual)	+2/B.A./Old F.A./equivalent without Punjabi	Based on Merit
Diploma in Punjabi Language & Culture	17+2 NRI	1 Year (Annual)	B.A. / B.Sc. without Pbi. or equivalent exam. OR Pass Cert. Course in Func. Punjabi.	Based on Merit
Diploma in Translation (Eng. to Punjabi)	11	1 Year (Annual)	B.A. or equivalent exam.	Based on Merit
M. Phil (SGGS)	10	1 Year	M.A. in any discipline with 55% marks	Based on Departmental Test Academic: 60%** Test: 35% Interview: 5%
M.Phil (Punjabi)	15	1 Year	See M.Phil/Ph.D Prospectus 2017	
Ph.D	Subject to avail ability	3-6 years	See M.Phil/Ph.D Prospectus 2017	
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates **Intermediate: 10%, B.A.: 20%, M.A.:30%)				

TITLES OF SYLLABI: Detailed syllabi available at <http://puchd.ac.in/syllabus.php>.

M.A.

Semester-I		Semester-II	
Paper-1	Madhkali Pbi. Sahit da Itihas	Paper-1	Adhunik Pbi. Sahit da Itihas
Paper-2	Sahit Sidhant, Sanatani Kaav Shastar ate Pbi Alochna	Paper-2	Adhunik paschami Kav Shastar ate Viharak Alochna
Paper-3	Madhkali Pbi. Kaav -I Opt (i) Gurmat ate Sufi Kaav Opt (ii)	Paper-3	Madhkali Pbi. Kaav -II Opt (i) Sufi, Kissa ate Bir Kaav Opt (ii)
Paper-4	Punjabi Novel da Adhiyan Opt (i) Punjabi Kahani da Adhiyan Opt (ii)	Paper-4	Punjabi Novel da Adhiyan Opt (i) Punjabi ate Parvasi Punjabi Kahani da Adhian Opt (ii)
Hons.Paper-5	Guru Nanak Bani - Deeragh Adhiyan	Hons.Paper-5	Varis Shah - Deeragh Adhiyan
Hons.Paper-6	Pra-alochana Ate Punjabi Purav Marxvadi Alochna da Adhyan	Hons.Paper-6	Uttar Marxvadi Punjabi Alochna da Adhiyan
Semester-III		Semester-IV	
Paper-1	Bhasha Vigyan ate Punjabi Bhasha	Paper-1	Bhasha Vigyan, Punjabi Bhasha ate Gurmukhi Lipi
Paper-2	Sabiachar, Lokdhara ate Punjabi Sabiachar	Paper-2	Punjabi Lokdhara ate Lok Sahit
Paper-3	Adhunik Punjabi Kavita-I Opt (i) Adhunik Punjabi Birtantank Kavita-I Opt (ii)	Paper-3	Adhunik Punjabi Kavita-II Opt (i) Adhunik Birtantank Punjabi Kavita-II Opt (ii)
Paper-4	Punjabi Natak ate Rangmanch da Adhiyan – I Opt (i) Vishav Da Anuvadit Natak Opt (ii)	Paper-4	Punjabi Natak ate Rangmanch da Adhiyan – II Opt (i) Punjabi Vich Anuvadit Vishav da Natak Opt (ii) Punjabi Vartak da Adhiyan Opt (iii)
Hons.Paper-5	Shah Husain - Deeragh Adhiyan	Hons.Paper-5	Bhai Vir Singh – Deeragh Adhiyan
Hons.Paper-6	Pakistani Punjabi Sahit	Hons.Paper-6	Parvasi Punjabi Sahit

Diploma in Translation (English to Punjabi)

Paper-1	Principals and Problems of Translation	Paper-3	Practical Translation and Related Problems
Paper-2	Problems of Vocabulary and Technical Terminology		

PLACEMENT : The faculty provides guidance to the students regarding their carrier for getting jobs in teaching, translation and journalism. Placement cell will be organized in the department at the earliest.

ALUMNI RELATIONS : Alumni meet will be organized from the next session. This meet will give an opportunity to all our alumni to interact with the students.

BHAI VIR SINGH CHAIR IN MODERN LITERATURE**FACULTY**

Designation	Name
Professor	Vacant (Charge with Chairperson, School of Punjabi Studies)

SHEIKH BABA FARID CHAIR OF MEDIEVAL INDIAN LITERATURE**ABOUT THE CHAIR**

The Chair was established in 1976 and is devoted primarily to the study of Medieval Indian Literature with emphasis on comparative studies in Medieval North Indian Literatures especially Urdu and Hindi.

FACULTY

Designation	Name
Professor	Vacant (Charge with Chairperson, School of Punjabi Studies)

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2017

PUNJABI LEXICOGRAPHY**ABOUT THE DEPARTMENT**

The Department was established in 1972. The Department has undertaken three projects.

1. English-Punjabi Dictionary
2. Punjabi-English Dictionary
3. Punjabi-Punjabi Dictionary

FACULTY

Designation	Name
Professor	Uma Sethi (Chairperson, School of Punjabi Studies)
Assistant Professor	Akwinder Kaur Tanvi

NEW PROJECTS

1. Punjabi Natak Alochna Shabadavali Kosh (Published by the Publication Bureau, Panjab University, Chandigarh in 2015)
2. Kav Alochna Shabadavali Kosh

THRUST AREAS: English-Punjabi Dictionary is being completed up to Letter 'T', Punjabi-English Dictionary to be revised and the compilation of first eight letters of Punjabi-Punjabi Dictionary.

DEPARTMENT OF RUSSIAN**ABOUT THE DEPARTMENT**

The Department was established in 1959. Russian Language is taught at Certificate, Diploma, Advanced Diploma, M.A. and Ph. D. level. The department is equipped with 11 seater language laboratory which imparts instructions in phonetics of Russian and Slovak languages. It has also appropriate Audio-visual equipments to acquaint the students with the life and culture of the people of Russia and Slovakia through slides and film shows in the department. The department of Russian also arranges cultural evening programmes with distinguished literary personalities from Russia, CIS countries and Slovakia to widen the cultural and literary horizon of its students.

DEPARTMENT OF SANSKRIT

ABOUT THE DEPARTMENT

The Department was established in 1956. There are two courses in the department i.e. M.Phil and Post-graduate Courses in Sanskrit. Besides this, the faculty of department is also supervising the research work of the students enrolled for PhD in the

Advance Diploma Course in Persian	10	1Year	P.U. Dip. Course in Persian, Intermediate or B.A. I with Persian/Additional	Based on Merit
M.A. (Persian)	Private	2 Years	As Prescribe in section 7.1 of rules for Admission.	Based on Merit
Ph.D (Urdu)	4	3- 6 Years	See Ph.D Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwCdmis6admissible in er1 59id39.s..4 0 Td 06 (Ba2 0 Td 1398 629.-59989 w (f9*5%951

THRUST AREAS: The Department is engaged in the Research Programme in almost all major disciplines of Persian language and literature, and the thrust area is comparative study of Persian with Punjabi, Urdu, Sanskrit, Pali and other Modern Indian Languages and also in the subject of Medieval Indian History, Ancient Indian History, Fine Arts, Law, Political & Social Sciences with comparative studies and Mysticism and Mystical Literature, written during the Ancient Period based on Classical Literature and also written during the so-called Modern Period in all the Modern Indian Languages. The students come from Iran and other Arab countries for Ph.D. in the Department.

VISHVESHVARANAND VISHVA BANDHU INSTITUTE OF SANSKRIT AND INDOLOGICAL STUDIES (VVBIS & IS), HOSHIARPUR

ABOUT THE INSTITUTE

The Institute was taken over by the University in 1965. The Panjab University maintains a Centre of Advanced Studies and Research in Sanskrit and Indology as a regular Institute of the University under the name "VISHVESHVARANAND VISHVA BANDHU INSTITUTE OF SANSKRIT AND INDOLOGICAL STUDIES" (VVBIS & IS) at HOSHIARPUR and is about three kilometres (on the Una Road) away from the main centre of the city. The Institute publishes a half yearly Research Journal entitled "Vishveshvaranand Indological Journal". Volume L-LI of has been printed & Volume LII-LIII of 2014-2015 is under process. Besides the Institute has published about 55 Research books.

FACULTY

Designation	Name	Field & Research of Publications
Professors(Re-employed)	Raghubir Singh	Grammar
	Prem Lal Sharma	Indian Philosophy, Jyotish
	Parbhat Singh	Classical Literature & Literary criticism
	Krishna Saini	Veda
Professor	Narsingha Charan Panda (On Leave)	Indian Philosophy, Buddhism, Veda
Assistant Professors	Aditya Angiras (Chairman)	Hindi Novels
	Ritu Bala	Sanskrit Poetics
	S.K Sarangi	Indian Philosophy, Kashmir Shaivism

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Shastri	40	3 Years	Prak Shastri-II/10+2 (with Sanskrit) or Visharad Course in Sanskrit) (with Matric) from P.U./equivalent examinations.	Based o Merit
Prak Shastri	40	2 Years	Matric/Hr. Sec. I/or equivalent examinations.	Based on Merit
M.A.	60	2 Years	Passed one of the following examinations from a recognized University/Institute: Bachelor's Degree obtaining at 45% marks in Sanskrit and 50% in aggregate provided the candidate has passed Sanskrit as an elective or literature subject. OR B.A. with (Hons) in Sanskrit or B.Sc.(Hons.) course. OR Master's Degree examination in any other subject provided the candidate has studied Sanskrit at graduation level. OR Passed 'Shastri Examination either under 3-year (10+2+3) Degree Course(New Scheme) or under the Old Scheme (10+1+3) Degree Course.	Based o Merit
M.Phil.	20	1 Year	See M.Phil./Ph.D. Prospectus 2017	
Ph.D.	20	3-6 Years	See M.Phil./Ph.D. Prospectus 2017	

Prak Shastrī

Semester-I		Semester-II	
i-क i)	0; कdj .k	i-क i)	0; कdj .k
i-क ii)	l कgR;	i-क ii)	l कgR;
i-क iii)	n'कु , oavupln	i-क iii)	n'कु , oavupln
i-क iv)	fglnh	i-क iv)	fglnh
i-क iv)	l केW; vaxth ; k l केW; i अkch ; k i अkक dk बfrgkl , oal हdfr	i-क iv)	l केW; vaxth ; k l केW; i अkch ; k i अkक dk बfrgkl , oal हdfr
Semester-III		Semester-IV	
i-क i)	0; कdj .k	i-क i)	0; कdj .k
i-क ii)	l कgR;	i-क ii)	l कgR;
i-क iii)	n'कु , oavupln	i-क iii)	n'कु , oavupln
i-क iv)	fglnh	i-क iv)	fglnh
i-क iv)	l केW; vaxth ; k l केW; i अkch ; k i अkक dk बfrgkl , oal हdfr	i-क iv)	l केW; vaxth ; k l केW; i अkch ; k i अkक dk बfrgkl , oal हdfr
Shastri			
Semester-I		Semester-II	
i)	0; कdj .k	i)	0; कdj .k
ii)	l कgR;	ii)	l कgR;
iii)	n'कु , oavupln	iii)	n'कु , oavupln
iv)	on , oe-onkx	iv)	on , oe-onkx
Option - I -	ulfr 'क=क] /eZक=क vक; षं	Option - I -	ulfr 'क=क] /eZक=क vक; षं
v)	ulfr'क=क	v)	ulfr'क=क
vi)	vक; षं	vi)	vक; षं
Option - II -	T; क=क"क vक; okRqक=क	Option - II -	T; क=क"क vक; okRqक=क
v)	0; kogkjd T; क=क"क	v)	0; kogkjd T; क=क"क
vi)	egir'क=क	vi)	egir'क=क
vii-viii)	vaxth] i अkch] बfrgkl rFk fglnh ea l s dkbZ nks i-क	vii-viii)	vaxth] i अkch] बfrgkl rFk fglnh ea l s dkbZ nks i-क
Semester-III		Semester-IV	
i)	0; कdj .k	i)	0; कdj .k
ii)	l कgR;	ii)	l कgR;
iii)	n'कु , oavupln	iii)	n'कु , oavupln
iv)	on , oe-onkx	iv)	on , oe-onkx
Option - I -	ulfr 'क=क] /eZक=क vक; षं	Option - I -	ulfr 'क=क] /eZक=क vक; षं
v)	/eZक=क	v)	/eZक=क
vi)	vक; षं	vi)	vक; षं
Option - II -	T; क=क"क vक; okRqक=क	Option - II -	T; क=क"क vक; okRqक=क
v)	0; kogkjd T; क=क"क	v)	0; kogkjd T; क=क"क
vi)	egir'क=क	vi)	egir'क=क
vii-viii)	vaxth] i अkch] बfrgkl rFk fglnh ea l s dkbZ nks i-क	vii-viii)	vaxth] i अkch] बfrgkl rFk fglnh ea l s dkbZ nks i-क
Semester-V		Semester-VI	
i)	0; कdj .k	i)	0; कdj .k
ii)	l कgR;	ii)	l कgR;
iii)	n'कु , oavupln	iii)	n'कु , oavupln

iv) oñ ,oe-onkæ	iv) oñ ,oe-onkæ
Option - I - ulfr 'ML=k] /eZML=k vlg vk; øñ	Option - I - ulfr 'ML=k] /eZML=k vlg vk; øñ
v) /eZML=k	v) /eZML=k
vi) vk; øñ	vi) vk; øñ
Option - II - T; ksr" k vlg okLrdqML=k	Option - II - T; ksr" k vlg okLrdqML=k
v) tkrd 'ML=k	v) tkrd 'ML=k
vi) gñj'k' ML=ke-	vi) gñj'k' ML=ke-
vii-viii) væst'ij i æk'ij] bfrgkl rFk fgluh ea	vii-viii) væst'ij i æk'ij] bfrgkl rFk fgluh ea
I s dkbZ nks i=k	I s dkbZ nks i=k
Semester-I	Semester-II
i) oñnd I kgr;	v) oñnd I kgr;
ii) I ñdr ukVd o dko; 'ML=k	vi) I ñdr ukVd o dko; 'ML=k
iii) 0; kdj.k rFk Hk"kk foKku	vii) 0; kdj.k rFk Hk"kk foKku
iv) n'ku	viii) n'ku
Semester-III	Semester-IV
ix) oñnd I kgr; dk bfrgkl rFk vFkZML=k	xiii) yldd I ñdr I kgr; dk bfrgkl rFk Lefr
x) I ñdr x rFk fucl/	xiv) x rFk vuoplñ
Option - I - oñ	Option - I - oñ
xi) oñnd I kgrk	xv) oñnd I kgrk
xii) cã.k] Jkr ,oa x'á l wæ	xvi) onkæ
Option - II - I kgr;	Option - II - I kgr;
xi) dko; 'ML=k	xv) dko; 'ML=k
xii) x vlg ukVd	xvi) I ñdr dko;
Option - III - I ñdr 0; kdj.k	Option - III - I ñdr 0; kdj.k
xi)	

Review).The Department has its Moot and Debate Society, which give students and opportunity to explore their talent.

Dress Code: Black pant and coat, white shirt along with tie/scarf (prescribed) on all formal occasions/functions i.e. moot courts, court visits, presentations, special lectures etc. The girl students have option to wear this dress or white salwar kameez with white dupatta and black coat.

FACULTY

Designation	Name	Field of research specialization
Professor Emeritus	Veer Singh	Labour laws, Jurisprudence
	V.K. Bansal	Constitutional Law
Professor Re-employed Professors	Bhajan Kaur	Family law
	Shalini Marwaha (Chairperson)	Jurisprudence, Constitutional Law, Human Rights & Law, Administrative Law, Environmental Law, Law Related To Women & Children, Law And Social Transformation, Media Law, Health Laws
	Nishtha Jaswal	Constitutional Law, Administrative Law, Service Law, Human Rights, Environmental Law
	Ranbir Kaur Bhangu	Labour Laws, Service Law
	Vijay Nagpal	Jurisprudence, Criminal Law, Law Related to Physically And Mentally Challenged Persons
	Meenu Paul	Labour Laws, Intellectual Property Law
	Devinder Singh	Human Rights, Constitutional Law, Administrative Law, Jurisprudence
Associate Professors	Paramjit Kaur	Laws of Evidence, Environmental Laws And Military Law
	Geeta Joshi	Criminal Law (Substantive)
	Vanadana Arora	Constitutional Law, Commercial Law, Laws Related To Children And Women, Human Rights, Torts, Special Contract
	Jyoti Rattan	Income Tax, International Law, Human Rights
Assistant Professors	Babita Devi Pathania	Human Rights, Protection of Women, Domestic Violence, Corporate Law, Administrative Law And Service Law
	Anil Kumar Thakur	Constitutional Law, Jurisprudence Human Rights, Environmental Laws, Law And Globalization, Law And Economics
	Dinesh Kumar	Human Rights And Arbitration
	Shipra Gupta	Constitutional And Commercial Laws
	Supinder Kaur	Family Law And Criminal Law

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
LL.B.	300	3 Years	Passed one of the following examinations from a recognized University/Institute: i) Bachelor's/ Master's Degree in any discipline with at least 45% marks. ii) In case of a candidate having a Bachelor's degree through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the percentage of aggregate marks that he had secured at the language examination, excluding the marks for additional optional paper, English and the elective subject taken together.	Based on PG-Law Academics: 50% PG-Law: 50%
LL.M.	42+4 NRI	1 Year	(a) LL.B. 3 years Degree/ B.A.LL.B./ B.Com.LL.B. 5 years degree examination of this University with minimum 55% marks OR (b) Any equivalent examination of another University recognized by the Syndicate for this purpose.	Based on PU-CET (PG)** Academics: 20% PU-CET(PG): 80%
Ph.D.	98	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

LL.D. See Regulations on pages 408-409 P.U. Cal. Vol. II, 2007.

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates.

**Candidates having B.A.LL.B./B.Com LL.B (Hons.) 5-years Integrated Course will be given Weightage for Hons. as per BCI Rules of Legal Education, 2008. Hons. weightage would be denoted by Z and calculated as follows: $Z = X \times$

<p>Master of Laws (Self Finance) (Evening) with specialization/s Constitutional and Environment Law Or Criminal and Corporate Law</p>	<p>20+2NRI (for Fresh Law Graduates)</p>	<p>2 Years</p>	<p>LL.B. 3-years Degree/B.A.LL.B./ B.Com.LL.B. 5-years degree examination of this University with minimum 55% marks or equivalent examination from any recognized University.</p>	<p>Based on PU-CET (PG) Academics: 20% PU-CET (PG): 80%</p>
	<p>20***+2NRI (for Advocates/ Judicial Officers/ Civil servants discharging Judicial Duties)</p>	<p>2 Years</p>	<p>LL.B. 3-years Degree/B.A.LL.B./ B.Com.LL.B. 5-years degree examination of this University with minimum 55% marks or equivalent examination from any recognized University.</p>	<p>Based on PU-CET (PG) Academics: 20% PU-CET (PG): 80%</p>

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

**The applicants who have obtained 10+2 Higher Secondary Pass Certificate or First Degree Certificate after prosecuting Studies in distance or correspondence method shall also be considered as eligible for admission in the Integrated Five Years Course. However, the applicants who have obtained 10+2 through open Universities system directly without having any basic qualification for prosecuting studies are not eligible for admission in the Integrated Five Years Course.

Based on PU-CET (PG) Academics: 20% PU-CET (PG): 80%

Semester-I		Semester-II	
Choose any one Minor Group		Choose any one Minor Group	
Paper-I (a)	Group-I (Minor) Political Science-I (Minor)	Paper-I (a)	Group-I (Minor) Political Science-II (Minor)
Paper-I (b)	Group-II (Minor)Economics-I (Minor)	Paper-I (b)	Group-II (Minor)Economics-II (Minor)
Major (optional) (choose any one)		Major (optional) (choose any one)	
Paper-II (a)	Political Science-I (Major)	Paper-II (a)	Political Science-II (Major)
Paper-II (b)	History-I (Major)	Paper-II (b)	History-II (Major)
Paper-II (c)	Economics-I (Major)	Paper-II (c)	Economics -II (Major)
Paper-II (d)	Sociology-I (Major)	Paper-II (d)	Sociology-II (Major)
Paper-II (e)	English-I (Major)	Paper-II (e)	English-II (Major)
Paper-III	English-I	Paper-III	English-II
Paper-IV	Socio Legal Research in Era of Information Technology	Paper-IV	Legal Methods and Systems
Paper-V	Law of Torts including Motor Vehicle Accident Act and Consumer Protection Laws	Paper-V	Jurisprudence
Paper-VI	Law of Contract-I	Paper-VI	Special Contracts-II
Semester-III		Semester-IV	
Paper-I (a)	Group-I (Minor)Political Science-III (minor)	Paper-I (a)	Group-I (Minor)History-I (Minor)
Paper-I (b)	Group-II (Minor)Economics-III (Minor)	Paper-I (b)	Group-II (Minor)Sociology-I (Minor)
Major (optional) (choose any one)		Major (optional) (choose any one)	
Paper-II (a)	Political Science-III (Major)	Paper-II (a)	Political Science-IV (Major)
Paper-II (b)	History-III (Major)	Paper-II (b)	History-IV (Major)
Paper-II (c)	Economics-III (Major)	Paper-II (c)	Economics-IV (Major)
Paper-II (d)	Sociology-III (Major)	Paper-II (d)	Sociology-IV (Major)
Paper-II (e)	English-III (Major)	Paper-II (e)	English-IV (Major)
Paper-III	English-III	Language Optional (choose any one)	
Paper-IV	Public International Law	Paper-III(a)	Hindi-I
Paper-V	Constitutional Law-I	Paper-III(b)	Punjabi-I
Paper-VI	Family Law-I	Paper-III(c)	French-I
		Paper-IV	Administrative Law
		Paper-V	Constitutional Law-II
		Paper-VI	Family Law-II
Semester-V		Semester-VI	
Paper-I (a)	Group-I (Minor)History-II (Minor)	Paper-I (a)	Group-I (Minor)History-III (Minor)
Paper-I (b)	Group-II (Minor)Sociology-II (Minor)	Paper-I (b)	Group-II (Minor)Sociology-III (Minor)
Major (optional)		Major (optional)	
Paper-II (a)	Political Science-V(Major)	Paper-II (a)	Political Science-VI (Major)
Paper-II (b)	History-V (Major)	Paper-II (b)	History-VI (Major)
Paper-II (c)	Economics-V (Major)	Paper-II (c)	Economics-VI (Major)
Paper-II (d)	Sociology-V (Major)	Paper-II (d)	Sociology-VI (Major)
Paper-II (e)	English-V (Major)	Paper-II (e)	English-VI (Major)
Language Optional (choose any one)		Language Optional (choose any one)	
Paper-III(a)	Hindi-II	Paper-III(a)	Hindi-III
Paper-III(b)	Punjabi-II	Paper-III(b)	Punjabi-III
Paper-III(c)	French-II	Paper-III(c)	French-III

Paper-IV Indian Penal Code-I

Paper-V Criminal Procedure-I

Opt any one of the following subjects

Paper-VI(a) Local Self Government

Paper-VI(b) Interpretation of Statutes and
Principles of Legislation

Paper-VI(c) International Criminal Law and
International Criminal Court

Semester-VII

Paper-I Alternate Dispute Resolutionb)

Paper-IV Indian Penal Code-II

Paper-V Criminal Procedure-II

Opt any one of the following subjects

Paper-VI(a) Law Relating to Agriculture
(common with Law and Agriculture)

Paper-VI(b) Private International Law

Paper-VI(c) Land Laws and Rent Laws

Semester-VIII

Assistant Professors	Savita Prasher	Biochemistry
	Ikreet Singh Bal	Community Dentistry
	Maninder Pal Singh	General Surgery
	Lalit Kumar	Prosthodontics
	Satya Narain	Oral & Maxillofacial Surgery
	Vandana Chhabra	Oral & Maxillofacial Surgery
	Shipra Gupta	Periodontics
	Vishakha Grover	Periodontics
	Neeraj Sharma	Oral Medicine & Radiology
	Ramandeep Saluja	Oral Pathology
	M.K. Chhabra	Pharmacology
	A.P.S. Sandhu	Oral & Maxillofacial Surgery
	Nandini Bhaskar	Periodontics
	Shaweta Sood	Periodontics
	Jyoti Gupta	Periodontics
	Sidhi Passi	Pedodontics
	Leena Verma	Pedodontics
	Archana Agnihotri	Pedodontics
	Namrata C. Gill	Pedodontics
	Sharique Rehan	Prosthodontics
	Virender Kumar	Prosthodontics
	Devinder Preet Singh	Orthodontics
	Litesh Singla	Orthodontics
	Swaty Jhamb	Conservative Dentistry & Endodontics
	Amandeep S. Uppal	Conservative Dentistry & Endodontics
	Rakhi Aulakh	General Pathology
	Jyoti Sharma	Microbiology
	Sonia Bhardwaj	Microbiology
	Sujata Upadhyay	Physiology
	Sukhwinder Singh	General Medicine
	Mili Gupta	Biochemistry
	Kavita Sekhri	Pharmacology
	Suruchi Aditya	Pharmacology
	Ruchika	Pharmacology
	Harsimran Kaur Boparai	General Anesthesia
	Gurprakash Singh Chahal	Periodontics
	Rose Kanwaljeet Kaur	Periodontics
	Rosy Arora	Pedodontics
	Puneet	Prosthodontics
	Sunint Singh	Prosthodontics
	Vivek Kapoor	Conservative Dentistry & Endodontics
	Ruchi Vashisht	Conservative Dentistry & Endodontics
	Ruchi Singla	Conservative Dentistry & Endodontics
	Prabhleen Brar	Conservative Dentistry & Endodontics
	Neha Bansal	Oral Medicine & Radiology
Rajdeep Brar	Oral Medicine & Radiology	
Simranjit Singh	Oral Pathology	
Poonam Sood	Community Dentistry	
Rajeev Rattan		
Amandeep Kaur		
Amrita Rawla		
Prabhjot Kaur		

Dental Surgeon Demonstrators	Monika Nagpal	Biochemistry
	Rajni Jain	
	Manjot Kaur	
	Vandana Gupta	
	Harveen Kaur	
	Pradip Singh	
	Preeti Kang	
	Harkirat Sethi	
	Anupam Vijayvergia	
	Ravi Kant Sharma	

B.D.S.	85+15 NRI**	5 Years	Passed + 2 (Medical Stream)	Based on NEET
M.D.S.	Conservative & Endodontics: 3 Oral & Maxillofacial Surgery: 2 Orthodontics & Dentofacial Orthopaedics: 3 Prosthodontics & Crown & Bridge:3 Periodontology: 3 Oral Pathology & Microbiology: 3	3 Years	Passed B.D.S. (Medical)	Based on NEET (MDS)

* 10% Concession admissible in eligibility marks to SC/ST/BC, 5% for PwD Candidates

** NEET required for admission in NRI category.

(Detailed syllabi available at [http://www.dciindia.org.in/ Rule_Regulation/ MDS_Course_Regulations_2007_along_with_Amendments.pdf](http://www.dciindia.org.in/Rule_Regulation/MDS_Course_Regulations_2007_along_with_Amendments.pdf))

C O U R S E S

Cours s	ats	Durat on	E b ty	Ad ss on Cr t r a
B. Pharm.	46+6NRI	4 Years	50% Marks in 10+2 with English,	Based on P.U.

BP107P Human Anatomy and Physiology – Practical
BP108P Pharmaceutical Analysis I – Practical

BP208P Pharmaceutical Organic Chemistry I– Practical
BP209P Biochemistry – Practical

M. Pharm. and M. Pharm. (Pharmaceutics)

Semester-I		Semester-II	
MPH101T	Modern Pharmaceutical Analytical Techniques	MPH202T	Advanced Biopharmaceutics & Pharmacokinetics
MPH102T	Drug Delivery System	MPH203T	Computer Aided Drug Delivery System
MPH103T	Modern Pharmaceutics	MPH201T	Molecular Pharmaceutics (Nano Tech and Targeted DDS)
MPH104T	Regulatory Affair	MPH204T	Cosmetic and Cosmeceuticals
MPH105P	Pharmaceutics Practical I	MPH205P	Pharmaceutics Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmaceutical Chemistry)			
Semester-I		Semester-II	
MPC101T	Modern Pharmaceutical Analytical Techniques	MPC201T	Advanced Spectral Analysis
MPC102T	Advanced Organic Chemistry -I	MPC202T	Advanced Organic Chemistry -II
MPC103T	Advanced Medicinal chemistry	MPC203T	Computer Aided Drug Design
MPC104T	Chemistry of Natural Products	MPC204T	Pharmaceutical Process Chemistry
MPC105P	Pharmaceutical Chemistry Practical I	MPC205P	Pharmaceutical Chemistry Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmacology)			
Semester-I		Semester-II	
MPL 101T	Modern Pharmaceutical Analytical Techniques	MPL 201T	Advanced Pharmacology II
MPL 102T	Advanced Pharmacology	MPL 102T	Pharmacological and Toxicological Screening Methods-II
MPL 103T	Pharmacological and Toxicological Screening Methods-I	MPL 203T	Principles of Drug Discovery
MPL 104T	Cellular and Molecular Pharmacology	MPL 204T	Experimental Pharmacology practical- II
MPL 105P	Pharmacology Practical I	MPL 205P	Pharmacology Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmacognosy)			
Semester-I		Semester-II	
MPG101T	Modern Pharmaceutical Analytical Techniques	MPG201T	Medicinal Plant biotechnology
MPG102T	Advanced Pharmacognosy	MPG102T	Advanced Pharmacognosy-II
MPG103T	Phytochemistry	MPG203T	Indian system of medicine
MPG104T	Industrial Pharmacognostical Technology	MPG204T	Herbal cosmetics
MPG105P	Pharmacognosy Practical I	MPG205P	Pharmacognosy Practical II
-	Seminar/Assignment	-	Seminar/Assignment
M. Pharm. (Pharmaceutical Analysis)			
Semester-I		Semester-II	
MPA101T	Modern Pharmaceutical Analytical Techniques	MPA201T	Advanced Instrumental Analysis
MPA102T	Advanced Pharmaceutical Analysis	MPA202T	Modern Bio-Analytical Techniques
MPA103T	Pharmaceutical Validation	MPA203T	Quality Control and Quality Assurance
MPA104T	Food Analysis	MPA204T	Herbal and Cosmetic Analysis
MPA105P	Pharmaceutical Analysis Practical I	MPA205P	Pharmaceutical Analysis Practical II
-	Seminar/Assignment	-	Seminar/Assignment

M. Pharm. (Pharmaceutical Quality Assurance)

Semester-I		Semester-II	
MQA101T	Modern Pharmaceutical Analytical Techniques	MQA201T	Hazards and Safety Management
MQA102T	Quality Management System	MQA202T	Pharmaceutical Validation
MQA103T	Quality Control and Quality Assurance	MQA203T	Audits and Regulatory Compliance
MQA104T	Product Development and Technology Transfer	MQA204T	Pharmaceutical Manufacturing Technology
MQA105P	Pharmaceutical Quality Assurance Practical I	MQA205P	Pharmaceutical Quality Assurance Practical II
-	Seminar/Assignment	-	Seminar/Assignment

THRUST AREAS: Facilities are available for advanced research in Pharmaceutics, Pharmaceutical Chemistry, Pharmacognosy and Pharmacology.

Some of the thrust areas include, search for new chemical entities (synthetic/semi-synthetic/natural), QbD-based development of novel and nanostructured drug delivery systems, advanced pharmacokinetic modeling, crystal engineering of active biomolecules, advanced pharmacological studies related to drug discovery and development, herbal drug standardization and development of novel herbal formulations.

PLACEMENT: The quality and productivity of the trained and skilled human resources by the UIPS has been ranked as par excellence in the country. A placement cell has been created under the banner of Panjab University Pharmaceutical Society (PUPS) to provide better job opportunities to our trained students. Recruitment of the students by various industries and academic institutes is carried out through campus interviews. The Institute's students have been placed in various industries located in different parts of the country. The most common recruiters are Ranbaxy, Procter & Gamble, Dr. Reddy's, IPCA, Novartis, Mylan, Abbott, Zydus-Cadila, Sun Pharma, Panacea Biotec, Dabur, Nicholas-Piramal, Ind-Swift, Heron, Quantum Solutions, Jubilant Pharma, E-valueserve, and the likes.

ALUMNI RELATIONS: More than 1300 graduates, over 1000 postgraduates and 190Ph.Ds are the proud alumni of the Institute. Several of these alumni adorn prestigious professional positions in industry, research and academic institutes across the globe including US, Canada and Europe. The UIPS holds an alumni meet every year and acts as an interface for a viable alumni network.

X. FACULTY OF SCIENCE DEPARTMENT OF ANTHROPOLOGY

ABOUT THE DEPARTMENT

The Department was established in 1960. During the last more than five decades, the department has not only grown in terms of personnel, equipment and laboratories, and library, it has contributed significantly to the furtherance of anthropological teaching and research in the country. Infrastructure and Laboratories facilities for teaching and research are available in Anthropology, Osteology, Serology and Bio-chemical Anthropology, Palaeoanthropology and Prehistoric Archaeology, Socio-Cultural Anthropology, Dermatoglyphics, Forensic Anthropology, Computer, Molecular Anthropology, Anatomy and Instrumentation Laboratory. The unique 'Museum of Man' in the Department has a Gallery of Fossil Apes, Primates and Man which includes life-size models, and an Ethnographic Gallery which includes items of material culture. Fieldwork is organized by the Department where students are given instructions in the field and research methods and based on empirical work they write progress reports. The Department was recognized as one of the centers under U.G.C. Programme of Special Assistance and Departmental Research Support in 1988, this programme has been extended up to 2009. The department has also been selected for support under UGC assistance for strengthening of the infrastructure of the Humanities & Social Science (ASIHSS) Programme in Anthropology for a period of five years i.e. 1.4.2005 – 31.3.2010. From 2010-2011, the department has been granted FIST- DST and is also a UGC Centre for Advanced Studies (CAS) in Anthropology (2011-2016). Mr. Robin Oberg, an Ethnographer and Applied Anthropologist is visiting the Department between the 8th of February to about 22nd of February, 2017 for interaction with the faculty and the students over a period of two weeks.

FACULTY

Designation	Name	Field of research specialization
Professors(Re-employed)	R.K. Pathak	Physical Anthropology
	Indu Talwar	Physical Anthropology
	Rajan Gaur	Physical Anthropology

Professors

Associate Professor

Assistant Professors

A.K.Sinha

Abhik Ghosh

Kewal Krishan(Chairperson)

Maninder Kaur

Ramesh Sahani

Social Anthropology

Social Anthropology

Physical Anthropology

Physical Anthropology

Physical Anthropology

Diploma in Forensic Sc. & Criminology

Semester-I		Semester-II	
DFSc 1.1	Fundamentals of Forensic Science-I	DFSc 2.1	Fundamentals of Forensic Science
DFSc 1.2	Forensic Anthropology-I	IDFSc 2.2	Forensic Anthropology-II
DFSc 1.3	Forensic Physical Sciences-I	DFSc 2.3	Forensic Physical Sciences-II
DFSc 1.4	Criminology and Criminal Law-I	DFSc 2.4	Criminology and Criminal Law-II
DFSc 1.5	Practical in Forensic Science	DFSc 2.5	Practical in Forensic Science-I

THRUST AREAS: Palaeoanthropology and Molecular Anthropology; Human Ecology in North-west India; Continuity and Change; and Bio-cultural Correlates of Health and Disease.

PLACEMENTS: Our students have worked for companies like Boeing and Nokia. They have worked as Director of Forensic Science Institute & ICMR and leading Departments in PGIMER. Many have gone abroad and are working in premier institutes and universities there. We are attempting to contact other organizations where high level placements may be provided in the future. We are attempting to get our students placed through individual efforts and through the University Placement Cell.

ALLUMNI RELATIONS: We are trying to finalize the list of known alumni. We have had some meetings but we are trying to have some more gatherings and also a frequent interaction with some alumni. We have an Alumni Associate, though in very nascent stage. Prestigious alumni sometimes come to the Department and at that point an interaction is organized with the faculty and the students. The last such interaction was with Dr. Sarabjit Mastana, of Loughborough University, U.K. and Mr. Sandeep Sharma on 03.02.2017. Some years prior to this, the alumni association has held a get-together. The funding for such future meetings are being sought after.

DEPARTMENT OF BIOCHEMISTRY**ABOUT THE DEPARTMENT**

Department of Biochemistry was started in 1962 and has grown steadily and is now recognized as an important centre of research and teaching in the country. Our teaching oriented Department provides many opportunities for prospective students who can acquire thorough training and degree in contemporary Biochemistry through our honors programme: B.Sc., M.Sc. and Ph.D. Our Department attracts the best students and provides an excellent foundation for, future be it in research, academics or industry.

The department's research focus is primarily on understanding the Molecular basis of disease, Immune disorders, researchstry and Environ6together. The funding

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.)	30+4 NRI	3 Years	Passed +2 examination with 50% marks with English, Physics, Chemistry, Maths / Biology/Biotechnology	Based on PU-CET (UG) Academics: 25% PU-CET (UG):75%
M.Sc.(Hons.)	30+4 NRI	2 Years	B.Sc. (Hons.) Biochemistry or its equivalent exam OR B.Sc. (Pass or Hons.) exam with 50% from any other exams recognized by P.U. as equivalent thereto with Biochemistry as one of the elective subjects	Based on PU-CET (PG) ** Academics: 40% PU-CET (PG):60%
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

*5% Concession admissible in eligibility marks to SC/ST/BC/PwD Candidates
**After admitting all the ongoing students of B.Sc. (Hons.) 3rd year, vacant seats will be filled with candidates on the basis of Entrance Test-PU-CET (PG). B.Sc. (MLT) departments are not eligible. Students who have studied Biochemistry as an elective subject for three years.

TITLE OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

B.Sc. (Hons)

Semester-I		Semester-II	
BCH C1	Biomolecules	BCH C3	General Microbiology
BCH C2	Cell Biology	BCH-C4	Molecular Biology
BCH AECC1	English	BCH AECC2	Environmental Science
GE1	Biochemistry of Cell	GE3	Proteins and Enzymes
GE2	Biochemical Techniques	GE4	Biomembranes & Bioenergetics
Semester-III		Semester IV	
BCH C5	Carbohydrates: Structure & metabolism	BCH C8	Lipids: Structure& metabolism
BCH C6	Nitrogenous Compounds: Structure & metabolism I	BCH C9	Nitrogenous Compounds: Structure & metabolism II
BCH C7	Membrane Biology & Bioenergetics	BCH C10	Enzymes & Enzyme Kinetics
SEC1	Tools and techniques in Biochemistry	SEC2	Protein Purification Techniques
GE5	Intermediary Metabolism	GE6	Biochemical Correlations in Diseases
Semester-V		Semester VI	
Paper-1	Fundamental of Molecular Biology-I	Paper-1	Fundamental of Molecular Biology-II
Paper-2	Endocrinology	Paper-2	Plant Biochemistry
Paper-3	Immunology	Paper-3	Neurobiology
		Paper-4	Nutritional Biochemistry
		Paper-5	Practical
M.Sc. (Hons.)		Semester-II	
Semester-I		Semester-II	
Paper-1	Application of Biochemistry to Biotechnology	Paper-1	Advanced Enzymology
Paper-2	Clinical Biochemistry	Paper-2	Medicinal Biochemistry
Paper-3	Biochemical Toxicology	Paper-3	Industrial Biochemistry
Paper-4	Molecular Cell Biology	Paper-4	Molecular & Cellular Immunology
Paper-5	Practical	Paper-5	Practical
Semester-III		Semester IV	
Paper-1	Genomics and Bioinformatics	Paper-1	Dissertation
Paper-2	Computational Techniques & Biostatistics	Paper-2	Seminar
Paper-3	Comprehensive Examination	Paper-3	Current Topics in Biochemistry
Paper-4	Journal Club		
Paper-5	Practical		

THRUST AREAS : Molecular basis of Diseases, Neurochemistry, Cancer Biology, Microbial Biochemistry, Immunology, Natural Products Biochemistry, Analytical Biochemistry and Biochemical Toxicology.

PLACEMENTS: Students get placement in Pharmaceutical and Biotechnology based companies.

ALUMNI RELATIONS: Sometimes meetings are held.

DEPARTMENT OF BIOPHYSICS

ABOUT THE DEPARTMENT

Biophysics has in recent times emerged as an important interdisciplinary subject in Life Science and primarily deals with the structure, bioenergetics, dynamics and function of the biomolecules. Over the years, the discipline of biophysics has played a significant role in the growth of critical areas, which include molecular biophysics, physiological biophysics, medical physics, radiation Biophysics, gene and protein engineering, neuro degenerative disorders and membrane biophysics. Advances in these areas have paved newer initiatives for the designing and development of drugs and medical technologies. The Department of Biophysics was established in 1964 and ever since is the only department in the country, which offers both undergraduate and postgraduate courses in the discipline of Biophysics (Hons.). The department also offers excellent research opportunities leading to the award of Ph.D. degree. The courses being offered to the three year B.Sc (Hons.) and two year M.Sc (Hons.) students in Biophysics are planned in a way, so as to provide a broad base in the subject and are accepted in the diverse fields of biomedical sciences. Alumni from this department have always been suitably employed and many of them have occupied coveted positions in the academia, industry, medical institutions, national laboratories and prestigious research institutions in India and abroad.

The department has been given special assistance grants under UGC-SAP programme, Phase DSA-I from April 2015-2020. The department is also recognized under DST-FIST Programme. In addition the Department is availing DST PURSE Grant on a regular basis. For more details see the website <http://biophysics.puchd.ac.in>

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus	G.S. Gupta	Proteomics and Cancer-Testis Antigens
Emeritus Scientist (UGC)	M.P.Bansal	Oxidative Stress mechanisms and its modulation in male reproduction
Emeritus Medical Scientist (ICMR)	S.N.Sanyal	Cancer Cell and Molecular Biology
Prof. Re-employed	Bimla Nehru	Neurobiology
Professors	D.K. Dhawan	Nuclear Medicine and Radiation Biophysics
	M.L.Garg	Spectroscopic & Computational Studies of metalloproteins, Biomedical Instrumentation
	(Chairperson)	Phytomedicine & Carcinogenesis
Assistant Professors	Ashwani Koul	Structural & Computational Biophysics of peptides
	Avneet Saini	Molecular Biology of Reproduction
	Sarvnrinder Kaur	Proteomics of Pathological Calcification
	Tanzeer Kaur	Molecular Cell Physiology of Cancer
	Pavitra Ranawat	Anti Microbial and anti cancer peptides
	Simran Preet	Cell Biology & Molecular Immunology
	Naveen Kaushal	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc (Hons.)				

Semester-III		Semester IV	
BP-5301	Advanced Topics in Biophysics (Seminars/Journal Club)	BP-5401	Thesis Seminar
BP-5302	Comprehension of the NET syllabus for Life Sciences	BP-5402	Viva- Voce and Thesis examination
BP-5303	Pre Thesis Seminar		

Note: Supervisors for guidance of the M.Sc. thesis work shall be allotted in the beginning of Semester III.

THRUST AREAS: Cellular and Molecular Biophysics, Membranes Biophysics, Radiation Biophysics and Cancer Biophysics.

PLACEMENT: In recent years the alumni are placed as post doctoral fellows (PDF) at abroad and faculty/scientists in institutions such as sports authority of India, Medical colleges in, Universities. Besides many students have been placed as teachers in Govt. schools. Few students every year get opportunity to join Ph.D courses in Europe, America and Australia etc. after fulfilling admission criterion of these institutions. Many students after clearing the NET/GATE examinations and obtaining inspire fellowships join the national institutions like IISER, IIT,PGIMER, CSIO and Panjab University. Few students have recently joined Pharma-co-vigilance corporate sector like Parexel International(Formerly quantum solutions),TCS(Tata Consultancy services), Spectra force. Some students have chosen to be entrepreneur and have started their own start up.

ALUMNI RELATIONS: Department keep constant contact with its alumni. Whenever, they come India from Europe and USA they make it a point to visit department and interact with its faculty and students. Alumni arrange their own annual meets through ASSOBA. The Department holds alumni meets at regular intervals.

DEPARTMENT OF BIOTECHNOLOGY

ABOUT THE DEPARTMENT

DEPARTMENT OF BOTANY

ABOUT THE DEPARTMENT

The Department of Botany was established in 1919 at Lahore. It shifted to Chandigarh in 1960 from Khalsa College, Amritsar where it was housed temporarily after partition of the country. The Department has grown into a well recognised centre for higher learning and research in structural, functional and evolutionary aspects of plants. The department had DST-FIST programme and had completed UGC DRS-II phase. Some of the major areas of research are: taxonomy, morphology, improvement and propagation of economically important plants, ecology of invasive alien plants, physiological upgradation of harvest index of some important crops; stress biology of legumes; identification of eco-friendly herbicides and pesticides; mushroom cultivation; evaluation and conservation of plant diversity; and importance of microbes in human welfare. In addition to teaching through modern techniques, seminars, symposia, workshops, invited lectures and botanical excursions are an integral part of academic programme. The department has a well-stocked library with nearly 6,600 books and over 60 regular scientific journals. The department also houses an internally recognised Herbarium (abbreviated as PAN) and a Museum. The P.N. Mehra Botanical Garden, spread over 16 acres of land is one of the better-known botanical gardens attached to any university of the country. The department has been getting regular sanction for BSR fellowships under UGC-SAP (DRS-III) programme. Additionally, the UGC also sanction funds to the department for infrastructural development from time to time. Besides this, many projects are being funded by DST, MoEF, UGC, CSIR and DBT.

FACULTY

Designation	Name	Field of Research Specialization
Prof. Emeritus	S.C. Verma	Cytogenetics
	M.L. Sharma	Angiosperm taxonomy and grasses
	S.S. Kumar	Bryology
	S.P. Khullar	Pteridophytes
Honorary Professor	S.S. Chahal	
	A.S. Ahluwalia	Algal diversity & Physiology
Professors	Harsh Nayyar (Chairperson)	Plant Physiology
	Daizy Rani	Ecology (Eco-Physiology)
	C. Nirmala	Cytogenetics, Molecular Biology and Biotechnology
	P. Pathak	Morphology and Morphogenesis
	Sunita Kapila	Bryology

M.Phil	15	1 Year	See M.Phil/Ph.D. Prospectus 2017
Ph.D	15	3-6 Years	See M.Phil/Ph.D. Prospectus 2017

THRUST AREAS: Phycology, Mycology, Bryology, Taxonomy, Morphology, Physiology, Cytology, Plant Biotechnology, Biochemistry and Ecology.

PLACEMENT: The department has a Placement Cell which Co-ordinates with Central Placement of the University to get time to time information about the opportunities available to the students of the department.

ALUMNI RELATIONS: The department has alumni association i.e. Panjab University Botany Department Alumni Association

UGC Assistant Professors (FRP)	Deepak B. Salunke	Organic
	Palani Natarajan	Inorganic
	Jyoti Agarwal	Organic
	Purshotam Sharma	Physical
	Ankur Ganesh Pandey	Organic
UGC Research Scientist 'C' Assistant Professors (Inspire Faculty)	Abhijit Dan	Physical
	Jasvinder Singh	Organic
	Khushwinder Kaur	Physical
	Girijesh Kumar	Inorganic
	Ranjan Patra	Inorganic

COURSES OFFERED (SEMESTER SYSTEM)

Courses	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.)	58+8 NRI	3 Years	Passed 10+2 examination from recognized Board/CBSE with at least 50% marks with Physics, Chemistry, Mathematics, Biology and English	Based on PU-CET(UG) Academics: 25% PU-CET(UG): 75%
M.Sc. (Hons.)	15+2 NRI	2 Years	i) Passed B.Sc. (Hons.) in Chemistry from department of Chemistry, P.U. ii) B.Sc. (Pass or Hons.) examination with 50% marks from PU or any other University recognized as equivalent thereto with (a) Chemistry in all the three years/six semesters and (b) any two science subjects during two years /four semesters during graduation.	Based on PU-CET(PG) Academics: 40% PU-CET(PG) :60%
Ph.D.	10	3-6Years	See M.Phil/Ph.D Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

B.Sc (Hons.)

Semester-I	Semester II
<p>Theory</p> <p>Core Course-1 Inorganic Chemistry-I</p> <p>Core Course-2 Physical Chemistry-I Practicals</p> <p>Core Course-1 Inorganic Chemistry-I</p> <p>Core Course-2 Physical Chemistry-I</p> <p>GENERIC ELECTIVE (GE)</p> <p>Each student of Chemistry Department has to opt two Generic Elective Courses from the available options offered by different science, Mathematics, Computer Science and Economics departments. However, a student can take only one GE course from one department per semester.</p> <p>Ability enhancement compulsory course: Each student of Chemistry Department has to opt one Ability Enhancement Compulsory Course of the following: (a) English Communication (2 credits); (b) Environmental Science (2 credits)</p> <p>GENERIC ELECTIVE (CHEMISTRY) Theory Papers: A student from other disciplines may opt any one of the generic electives offered by the Chemistry Departments:</p>	<p>Theory</p> <p>Core Course-3 Organic Chemistry-I</p> <p>Core Course-4 Physical Chemistry-II Practicals</p> <p>Core Course-3 Organic Chemistry-I</p> <p>Core Course-2 Physical Chemistry-II</p> <p>GENERIC ELECTIVE (GE)</p> <p>Each student of Chemistry Department has to opt two Generic Elective Courses from the available options offered by different science, Mathematics, Computer Science and Economics departments. However, a student can take only one GE course from one department per semester.</p> <p>Ability Enhancement Compulsory Course: Each student of Chemistry Department has to opt one Ability Enhancement Compulsory Course of the following: (a) English Communication (2 credits); (b) Environmental Science (2 credits)</p> <p>GENERIC ELECTIVE (CHEMISTRY): Theory Paper: Opt one of the generic electives offered by the Chemistry Departments</p>

Generic Elect-1		Generic Elec-3	
Generic Elec-2		Generic Elec-4	
Practicals		Practicals	
Generic Elec -1	Practical (GE-1 Lab)	(GE-3 Lab)	Practical (GE-3 Lab)
Generic Elect-2	Practical (GE-2 Lab)	(GE-4 Lab)	Practical (GE-4 Lab)
Semester III		Semester IV	
(C 5) Theory	Inorganic Chemistry-II	(C 8) Theory	Inorganic Chemistry-III
(C 6) Theory	Organic Chemistry-II	(C 9) Theory	Organic Chemistry-III
(C 7): Theory	Physical Chemistry-III	(C 10) Theory	Physical Chemistry-IV
	Practicals:		Practicals
(C 5 Lab):	Inorganic Chemistry-II	(C 8 Lab)	Inorganic Chemistry-III
(C 6 Lab):	Organic Chemistry-II	(C 9 Lab)	Organic Chemistry-III
(C 7 Lab):	Physical Chemistry-III	(C 10 Lab)	Physical Chemistry-IV
SKILL ENHANCEMENT COURSES (OPT ANY ONE)		SKILL ENHANCEMENT COURSES (OPT ANY ONE)	
1. CHE-SEC1: IT Skills for Chemists		1. CHE-SEC3: Analytical Clinical Biochemistry	
2. CHE-SEC2: Basic Analytical Chemistry		2. CHE-SEC4: Chemical Technology & Society	
GENERIC ELECTIVE (GE)		GENERIC ELECTIVE (GE)	

CH-414	Quantum Chemistry	CH-424	Surfactants, Macromolecules and Nanomaterials
CH-415	Fundamentals and Applications of Computers in Chemistry	CH-425	Project Work (Departmental Elective)
CH-416	Advanced Practicals		
Semester-III		Semester-IV	
CH-511	Main Group Chemistry and Inorganic photochemistry	CH-521	Advanced Statistical Thermodynamics and Symmetry
CH-512	Chemistry of Natural Products	CH-522	Special Paper: Electrochemistry & Molecular reaction dynamics OR Current Trends in Organic Synthesis OR Advanced Inorganic Chemistry
CH-513	Research Project Work (Departmental Elective)	CH-523	Research Project Work (Departmental Elective)

THRUST AREAS: Synthetic Chemistry (Both Inorganic and Organic), Heterocyclic, Natural Products and Green Chemistry, Nanotechnology and Nuclear Chemistry, Colloidal, Biophysical, Theoretical and Computational Chemistry.

PLACEMENT: Many Post-graduate students pursue career in teaching and research after qualifying CSIR/UGC National Eligibility Test (NET). Our Students are absorbed for job/research in premier institutions like IISc, TIFR, BARC, DRDO, ISRO, IMSC, IIT, NCL, NPL and IISER. GATE/GRE qualified students get avenues for professional studies in India/Abroad. Some graduate students go for Post- graduate studies at TIFR, IISc, IMSc, IITs and various Central Universities. Students also find jobs through PU Central Placement Cell besides the Placement Cell of the department.

ALUMNI RELATIONS: Chemistry department has produced many distinguished alumni, who have adored both administrative/executive and scientific positions in our country and abroad. The department has an association named "Chemistry Department Alumni Association, Panjab University (CDAAPU). Annual meeting of the alumni is a regular feature. Executive members of the alumni association meet frequently to discuss the activities of the association. CDAAPU provides fellowships to needy students out of the interest accrued from contribution of alumni of 1968 batch.

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

ABOUT THE DEPARTMENT

The Department of Computer Science and Applications was set up as a Centre in 1983. It got the status of the Department of Computer Science and Applications in 1997. The department offers various professional educational programmes like Ph.D. programme, Master of Computer Applications (MCA – Morning) a three year full time course, MCA (Evening) (Self Financing) – a 3 year full time self financing course and Master of Science (Honors) in Computer Science. For these Post Graduate degree courses, admissions are held through an entrance test conducted by the Panjab University. The quality of input is really good as both Indian as well as foreign students are attracted towards these programmes.

The department has qualified, regular and competent faculty members with Ph.D./M.Tech./MCA (UGC NET) qualifications. Being a professional course, the curriculum is revised regularly to keep abreast of the latest advancements in the industry as well as the academia. Almost all the students at DCSA are well placed in various reputed companies. The department has an excellent infrastructure including laboratories, library, Internet facility, wireless networks and teaching – learning aids like smart classrooms. The faculty is performing and guiding research in different areas of Computer Science and Applications

FACULTY

Designation	Name	Field of Research Specialization
Professors	Ravinder Kumar Singla (Chairperson)	Software Engineering, Web Semantics, Computer Network / Security
	M. Syamala Devi	Distributed Artificial Intelligence, Image Processing, Educational Technology
	Indu Chhabra	Neural Networks, Image Processing, Data Mining, Software Engineering
	Sonal Chawla	Semantic Web Applications, Programming Languages, Advanced Databases, Operating System

Semester - III		Semester - IV	
CS-65	Software Engineering	CS-70	Data Mining and Data Warehousing
CS-66	Operating Systems	CS-12	Interactive Computer Graphics
CS-67	Analysis and Design of Algorithm	CS-37	Theory of Computations
CS-68	.NET Framework and C# (Elective V)	CS-71	Artificial Intelligence (Using LISP)(ElectiveVII)
CS-69	Relational Data Base Management Systems (Elective VI)	CS-72	Advanced Java and Network Programming (Elective VIII)
PR-05	RDBMS (SQL Server/Oracle/My SQL) (Minor Project)	PR-07	Computer Graphics and Algorithms Analysis (Minor Project)
PR-06	Programming in .NET and C# (Minor Project)	PR-08	Advanced Java and Network Programming (Minor Project)
Semester - V		Semester - VI	
CS-17	Computer Based Optimization Techniques	CS-18	PROJECT WORK
CS-57	Software Project Management		The Project period will be of 20 to 24 weeks duration. The Project will involve development of application/system software in industries, commercial or scientific environment. It will carry 400 marks.
CS-58	Mobile Communication and Application Development (Elective IX)		
CS-59	Soft Computing Techniques using Neural Networks (Elective X)		
CS-19	Seminar Each student will be required to give seminar on selected topics. The seminars will carry 100 marks.		
PR-13	Mobile Application Development using Android (Minor project)		
PR-14	Programming for Basic MATLAB & Soft Computing Techniques		
M.Sc.(Hons.)			
Semester - I		Semester - II	
MCS-113	Software Engineering	MCS-407	Advance Java and Network Programming (Elective III)
MCS-110	Data Base Management System(Elective I)	MCS-210	Artificial Intelligence (Using LISP) (Elective IV)
MCS-114	Operating Systems	MCS-203	Interactive Computer Graphics
MCS-310	Analysis and Design of Algorithms (Elective II)	MCS-211	Data Mining and Data Warehousing
MCS-309	Practical based on MCS-310	MCS-205	Practical based on MCS-203
MCS-112	Practical based on MCS-110 and MCS-114	MCS-408	Practical based on MCS-407
Semester - III		Semester - IV	
MCS-306	Soft Computing Techniques using Neural Networks (Elective V)	MCS-304	Major Project Phase I (SRS, DFD, Database Design, Input/output Design)
MCS-302	Optimization Techniques		
MCS-307	Software Project Management	MCS-404	Major Project: Phase II (Coding, Testing & Deployment)
MCS-115	.NET Framework and C# (Elective VI)	MCS-409	Seminar (Based on MCS-304 and MCS-404)
MCS-308	Practical based on MCS-306 & MCS-210		
MCS-108	Practical based on MCS-115		

THRUST AREAS: Distributed Artificial Intelligence, Educational Technologies, Computer Graphics, Semantic Web Applications, Software Engineering, Open Source Software, Pattern Recognition, Image Processing and Computer Network/ Security.

Semester- III		Semester- IV	
Paper-1	Environmental Technology	Paper-1	Statistical Applications and Research Methodology
Paper-2	Regional and Global Environmental Issues	Paper-2	Environmental Biotechnology
Paper-3	Environment and Energy Management Environmental Science	Paper-3	Remote Sensing and GIS in
Paper-4	Industrial and Biomedical Waste Management	Paper-4	Training of at least 4 weeks, Project report, Presentation

THRUST AREAS: Environment Pollution Monitoring & Remediation; Assessment of Biodiversity with special reference to Invasive Plants; Bio-prospecting of Medical and Aromatic Plants; Evaluation of Natural Plant Products as Novel Agrochemicals; Eco-toxicological Impacts of Heavy metals; Rain Water Harvesting and Groundwater Pollution; Management of Solid Waste; Wastewater treatment.

PLACEMENTS: The pass outs from the department are well placed in various Educational / Research Institutions and Industrial Establishments.

ALUMNI RELATIONS: The department is in the process of nurturing an association of the alumni. The department envisages holding at least one Alumni meet every year so as to strengthen the linkage and bondage of the Alumni and the Department.

DEPARTMENT OF GEOLOGY AND CENTRE OF ADVANCED STUDY IN GEOLOGY (COSIST DEPARTMENT)

ABOUT THE DEPARTMENT

Established in 1958 by Late M.R. Sahni, the department was upgraded to the status of Centre of Advanced Study in 1963-64 in Himalayan Geology and Palaeontology. In 1986 it received COSIST Grants for improvement in infrastructure facilities in the Thrust areas of Geochemistry and Exploration Geology. In recent years of research and teaching besides Palaeontology, Petrology, Environmental Geology, and Hydrogeology were included as additional thrust areas. The Department has been allocated Rs. 90.00 lacs under the FIST Programme of the DST in 2003. In 2012 the department has received Rs.148.00 lacs under CAS (Phase-VII) scheme of the UGC. It is thus the oldest Advanced Centre in the Country under the Special Assistance Programme of the UGC. The Department has a large collection of fossils, rocks and minerals housed in its Museum. The department has 50 (Fifty) (registered/enrolled) research students on its rolls.

FACULTY

Designation	Name	Field of Research Specialization
Professors Emeritus	Ashok Sahni	Vertebrate Palaeontology, Biomineralisation
	S.B. Bhatia	Micropalaeontology.
Professors	Naval Kishore	Hydrogeology, Petrology & Environmental Geology
	R.S. Loyal	Vertebrate Palaeontology & Biostratigraphy
	Naveen Chaudhri (Chairperson)	Igneous Petrology & Isotope Geochemistry
	Rajeev Patnaik	Vertebrate Palaeontology.
Assistant Professors	Ashu Khosla	Micropalaeontology & Vertebrate Palaeontology
	Parampreet Kaur	Petrology, Isotope Geochemistry & Geochronology
	Gurmeet Kaur	Petrology, Mineralogy & Hydrogeology
	B.P. Singh	Biostratigraphy & Palaeontology
	Seema Singh	Sedimentology & Palaeoclimatology
	Mahesh Thakur	Geophysics
	Debabrata Das	Groundwater Hydrology & Mining Hydrology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc. (Hons.)	30+4 NRI	3 Years	Passed 10+2 examination with at least 50% marks with English, Physics, Chemistry, Maths/ Biology	Based on P.U.CET (U.G) Academics: 25% P.U.CET(UG):75%
M.Sc. (Hons.)	30+4 NRI	2 Years	B.Sc. 3 years course with Geology as one of the subjects with 50% marks in B.Sc. & 50% marks in subject of Geology in B.Sc.	Ongoing Course
Ph.D.	23	3-6 Years	See M.Phil/Ph.D Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

TITLES OF SYLLABI: (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

B.Sc. (Hons.)

Semester-I	Semester-II
Theory Papers: Core Course (C) Th.I: Earth System Science Th.II: Mineral Science Practicals: Core Course (C) Pr.I: Earth System Science Pr.II: Mineral Science Theory Papers: Generic Elective (GE) Th.I: Essentials of Geology Th.II: Minerals and Rocks Practicals: Generic Elective (GE) Pr.I: Essentials of Geology Pr.II: Minerals and Rocks	Theory Papers: Core Course (C) Th.I: Elements of Geochemistry Th.II: Structural Geology Practicals: Core Course (C) Pr.I: Elements of Geochemistry Pr.II: Structural Geology Theory Papers: Generic Elective (GE) Th.I: Structural Geology Th.II: Fossils & their Applications Practicals: Generic Elective (GE) Pr.I: Structural Geology Pr.II: Fossils & their Applications
Semester-III	Semester-IV
Theory Papers: Core Course (C) & Skill Enhancement Course (SEC) Th.I: Igneous Petrology Th.II: Sedimentary Petrology Th.III: Palaeontology Practicals: Core Course (C) & Skill Enhancement Course (SEC) Pr.I: Igneous Petrology Pr.II: Sedimentary Petrology Pr.III: Palaeontology SEC: 1 Core Course (C) & Skill Enhancement Course (SEC) Field Geology-1	Theory Papers: Core Course (C) & Skill Enhancement Course (SEC) Th.I: Metamorphic Petrology Th.II: Stratigraphic Principles & Indian Stratigraphy Th.III: Hydrogeology Practicals: Core Course (C) & Skill Enhancement Course (SEC) Pr.I: Metamorphic Petrology Pr.II: Stratigraphic Principles & Indian Stratigraphy P.III: Hydrogeology SEC: 2 Core Course (C) & Skill Enhancement Course (SEC) Field Geology 2/3/4/5
Semester-V	Semester-VI
Th.I: Igneous Petrology Th.II: Metamorphic Petrology Th.III: Sedimentology Th.IV: Stratigraphy Pr.I: Igneous Petrology & Metamorphic Petrology Pr.II: Sedimentology & Stratigraphy FW: Geological Field Work	Th.I: Palaeontology Th.II: Economic Geology-I Th.III: Economic Geology-II Th.IV: Applied Geology(Hydrogeology, Mining Geology & Field Geology) Pr.I: Palaeontology Pr.II: Economic Geology & Applied Geology (Hydrogeology, Mining Geology & Field Geology) FW: Geological Field Report & Viva voce

B.Sc. (Hons.) III & IV Semester Generic Elective (GE) in Geology (Theory & Practical)

Semester III

Semester IV

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc	19+2NRI +1**	2 Years	B.Sc./B.Sc. (Hons.) Degree in Forensic Science or any other Graduation Degree with 3/4/5 Years duration with minimum 50% mrks in the faculty of Science/ Engineering/Medical/Dental and Pharmaceutical Sciences of Panjab University or any other recognized University.	Based on PU-CET (PG): Academics: 50% PU-CET (PG):50%
Ph.D.	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus-2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

** Seats reserved for in-service candidates from Government Organization. In case of non-availability of in-service candidate, the seat will be converted into General Category

TITLES OF SYLLABI : (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.Sc

Semester-I		Semester-II	
(i)	General Forensic and Fingerprint Science	(i)	Molecular Biology and Biochemistry
(ii)	Forensic Biology	(ii)	Forensic Chemistry
(iii)	Instrumentation	(iii)	Forensic Physics
(iv)			

Department and support the consortium for the online access to Math. Sci. Net, for which the department is the leading partner.

FACULTY**Designation**

Professor Emeritus

Name

R.P.Bambah

R.J.Hans Gill

Field of Research Specialization

Number Theory, Geometry of Numbers, Discrete Geometry

Number Theory, Geometry of Numbers,

Discrete Geometry

Algebra

Emeritus Fellow UGC

I.B.S.Passi

A.K. Agarwa Td -0.62 kus Fellow UGC

TITLES OF SYLLABI (Detailed syllabus available at www.puchd.ac.in/syllabus.php)**B.Sc. (Hons.) First Year Mathematics (Under CBCS)**

Paper	Semester- I	Paper	Semester- II
C1	MAT-C1: Calculus	C3	MAT-C3: Real Analysis
C2	MAT-C2: Algebra	C4	MAT-C4: Differential Equations
MAT-AECC1:	English/ MIL	MAT-AECC2:	English/ MIL
AECC1	Communications/ Environment Science	AECC2	Communications/ Environment Science
GE1*	MAT-GE1	GE2*	MAT-GE3
	MAT-GE2		MAT-GE 4
Semester-III		Semester-IV	
MAT-C5	Theory of Real Functions	MAT-C8	Numerical Methods
MAT-C6	Group Theory I	MAT-C9	Riemann Integration and series of Functions
MAT-C7	PDE and system of ODE	MAT-C10	Ring Theory and Linear Algebra I
SEC1		SEC2	
GE3*	MAT-GE5	GE4*	MAT-GE6
Semester-V		Semester-VI	
Paper-1	Math 501S: Rings and Modules	Paper-1	Math 521S: Advanced Linear Algebra
Paper-2	Math502S: Calculus of Several Variables and Improper Integrals	Paper-2	Math522S: Lebesgue Integration and Fourier series
Paper-3	Math 503S: Some Special Functions and Integral Transforms	Paper-3	Math 523S: Partial Differential Equations
Paper-4	Math 504S: Number Theory-I	Paper-4	Math 524S: Number Theory-II
Paper-5	CA505S: Discrete Mathematics and Graph Theory	Paper-5	CA525S: Numerical Analysis For Maths and Computing

C: Core Courses; GE: General Elective; AECC: Ability Enhancement Compulsory Courses;

SEC: Skill Enhancement Courses; DSE: Discipline Specific Elective

Math -752S	Linear Algebra and Commutative Algebra-I	Math-769S	Commutative Algebra-II
Math-761S	Computational Techniques-I	Math-781S	Computational Techniques-II
Math -771S	Algebraic Number Theory-I	Math-791S	Algebraic Number Theory-II
Math-772S	Topics in Number Theory-I	Math-792S	Topics in Number Theory-II
Math-773S	Fluid Mechanics-I	Math-793S	Fluid Mechanics-II
Math -774S	Algebraic Coding Theory-I	Math-794S	Algebraic Coding Theory-II
Math-775S	Non-Commutative Ring Theory	Math-795S	Representation Theory of Finite Groups
Math-776S	Partial Differential Equations-I	Math-796S	Partial Differential Equations-II
Math-777S	Continuum Mechanics-I	Math-797S	Continuum Mechanics-II
Math-778S	Numerical Methods for Differential Equations-1	Math-798S	Numerical Methods for Differential Equations-1
Math-779S	Network Analysis	Math-799S	Numerical Optimization
Math-780S	Measure & Integration-I	Math-800S	Measure and Integration-II

THRUST AREAS: Algebra, Continuum Mechanics, Number Theory, Numerical Analysis

PLACEMENTS: Our students are placed in teaching jobs in Government/private educational institutions.

ALUMNI RELATIONS:

FACULTY

Designation	Name	Field of Research Specialization
Professors Emeritus	K. G. Gupta	Applied Microbiology
	J.K.Gupta	Industrial Microbiology
Professors	Sanjay Chhiber	Medical Microbiology
	Prince Sharma	Molecular Microbiology
	Vijay Prabha	Medical Microbiology
	Praveen Rishi	Medical Molecular Microbiology
	Sanjeev Soni (Chairperson)	Food and Fermentation Technology
	Kusum Harjai	Applied and Medical Microbiology & Immunology
Assistant Professors	Geeta Shukla	Medical Microbiology
	Deepak Kumar Rahi	Industrial Microbiology
	Naveen Gupta	Industrial Molecular Microbiology
	Seema Kumari	Virology
	Khem Raj	Medical Microbiology

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B. Sc. (Hons.)	30+4 (NRI)	3 Years	50% marks in 10+2 with English, Physics, Chemistry, Maths, Biology, Biotechnology	Based on P.U.CET (UG) Academics : 25% PU-CET(UG):75%
M.Sc. (Hons.)	30	2 Years	Ongoing student must have cleared B.Sc. (Hons.)	Ongoing Class
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates

TITLES OF SYLLABI : (Detailed syllabus available at www.puchd.ac.in/syllabus.php)

B.Sc (Hons.)

Semester- I		Semester -II	
MIC-C1	Biomolecules	MIC-C3	General Microbiology
MIC -C2	Cell Biology	MIC-C4	Molecular Biology
MIC-AECC1	English	MIC-AECC2	Environmental Science
GE1*	General Bacteriology	GE3*	Environmental Microbiology
GE2*	Industrial Microbiology	GE4*	Food and Dairy Microbiology

C: Core Courses; GE: Genetic Elective Courses offered by the Department for students from other departments;
AECC: Ability Enhancement Compulsory Courses. Four core courses in the first year will run simultaneously in both semesters under PU-IMBSER

Semester -III		Semester- IV	
MIC-C5	General Bacteriology	MIC-C8	Environmental Microbiology
MIC-C6	Industrial Microbiology	MIC-C9	Medical Microbiology
MIC-C7	Microbial Physiology and Metabolism	MIC-C10	Food and Dairy Microbiology
SEC1*	Microbial Quality Control in Food and Pharmaceutical Industries	SEC2	Microbial Diagnosis in Health Clinics
GE5*	Microbial and Molecular Genetics	GE6*	Virology

SEC: Skill Enhancement Courses

Semester -V		Semester- VI	
BMI 3501	Medical Bacteriology – I	BMI 3601	Medical Bacteriology – II
BMI 3502	Microbial & Molecular Genetics	BMI 3602	Virology
BMI 3503	Food Microbiology	BMI 3603	Microbial Physiology & Metabolism
BMI 3504	Immunochemistry	BMI 3604	Immunopathology
M.Sc (Hons.)			
Semester -I		Semester -II	
MMI 4101	Advances in Microbial Ecology	MMI 4201	Fermentation Technology
MMI 4102	Pathogenesis of Infectious diseases	MMI 4202	Advances in Molecular Biology & Biotechnology
MMI 4103	Newer approaches in diagnostic Microbiology	MMI 4203	Advances in Immunoprophylaxis & Immunotherapy of infections
Semester-III		Semester-IV	
MMI 5301	Fundamentals of Computer Programming and Applications	MMI 5401	Thesis
MMI 5302	Advanced Topics in Microbiology –I (Seminar)	MMI 5402	Viva Voce
MMI 5303	Advanced Topics in Microbiology –II (Paper)		
MMI5304	Project Training Report & Presentation		

THRUST AREAS : Medical Microbiology, Agricultural Microbiology, Food Microbiology, Industrial Microbiology, Immunology, Environmental Microbiology, Microbial Physiology and Biochemistry and Genetic Engineering and Biotechnology.

PLACEMENTS : Though there is 100% off campus placement of the student -08rMicrobiology i119202 f -263.64 -18. ew3ht2 -0.09

research students and 400 B.Sc. (Hons.) Physics, M.Sc. (Hons.) Physics, B.Sc. (Hons.) Physics (Specialization in Electronics) and M.Sc. (Hons.) Physics & Electronics students on the rolls of the Department. About 150 B.Sc. (Hons.) students of other departments study Physics subjects as General Elective Courses.

The faculty members have been honoured with Meghnad Saha Award, Goyal Prize (Kurukshetra University), Sir C.V. Raman Award, Hari Om Trust Award, Mercator Professorship, Homi Bhaba Fellowship, Emeritus Scientistships, Ramanna Fellowship, Raman Fellowship, S.N. Satya Murthi Young Scientist Award and DAE Young Scientist Award. They have been elected for Indian Academy of Sciences fellowship, Joliot Curie fellowship, Alexander Von Humboldt fellowships, DFG (German Research Society) Fellowship, BMFT (Ministry of Research and Technology of Germany like DST) fellows, UNESCO/IAEA Fellowship, WE-Heraeus Fellowship, Heinrich Hertz Foundation fellowship, Fulbright Fellowship, Commonwealth fellowship, Third World Academy of Sciences fellowships and UGC National Lecturer Fellowship awards. The Department had the honour of having Professor Yash Pal, former UGC Chairman and Prof. Arun Grover, Present Vice-Chancellor, Panjab University, as its faculty members. Senior faculty members - Prof. K.N. Pathak served as Vice-Chancellor, Panjab University, Chandigarh, during 2000-2006, and Prof. S. Parkash served as the Vice-Chancellor of Jivaji University Gwalior, from 2001-2006. Prof. Tankeshwar Kumar is currently serving as Vice-Chancellor of Guru Jambheshwar University of Science and Technology, Hisar.

The Department is having research collaborations with institutions like, Royal Military College of Canada, Canada; University of Notre Dame, USA; Fermilab., USA; CERN Geneva; Bonn University Germany; University of Bayreuth, Wuerzburg, Munich and Berlin in Germany, Chemistry Department, City College of New York (CUNY), New York; KEK Japan; ICTP, Trieste; Univ. of Illinois, USA; BNL, USA; Max. Planck Institute, Germany; Univ. of Leipzig, Germany; SUBATECH, Nantes, France; Instt. for Theoretische Physics, Tubingen, Germany; Instt of Nuclear Studies, Warsaw University, Poland; Univ. of Milano, Italy; J.L. Univ., Germany; J.W. Goethe Univ., Frankfurt, Germany; Instt. of Nucl. Physics, Strasbourg, France; University of Surrey, Gilford, U.K.; University of Hawaii, Cincinnati; Virginia Tech., Princeton University, University of Antwerp, Belgium, JINR Dubna Russia, IUC, Kolkata; VECC, Kolkata; TIFR, Mumbai; IAUC., New Delhi; IIT, Kanpur; Delhi University, Delhi; Mumbai University, Mumbai; IIT, Chennai; I.O.P. Bhubaneshwar; H.P. University, Shimla; T.B.R.L., P.G.I.M.E.R., C.S.I.O., Chandigarh. The department has MOU with IUAC, New Delhi for joint faculty appointment and to various academic exchange programmes for Accelerator based research.

UGC has sanctioned 3 crores under CAS-V Phase (2015-2019) grant under improvement of Infrastructure facilities of the Physics Department. Funds of Rs. 3.5 crores for infrastructure development have been sanctioned by the Department of Science and Technology under FIST programme to upgrade teaching and research facilities. The Department of Science & Technology has given technical approval for funding the proposal for establishing Panjab University Accelerator Science Centre (6 MV Tandem Accelerator) at P.U. Campus. The Department has been recognized by DST to host a Centre for High energy Physics Detectors and Instrumentation (CHEPDI) for the R&D of future detectors and for human resource generation.

Research Facilities : Facilities exist in the Department for research in Nuclear Physics, High Energy Physics, Photon-Atom Interaction Studies, Solid State/Condensed Matter Physics, Laser Spectroscopy, Radiometric Dating and Theoretical Physics, leading to the Ph.D. degree for which at least three years of research work is required after the M.Sc. degree. The Centre for Medical Physics and the Centre for Nano Science & Nano Technology are closely associated with the Department of Physics. Moreover, the Department has started new M.Sc. courses in Medical Physics and Nuclear Medicine jointly with Department of Biophysics, PU, and Departments of Nuclear Medicine and Radiation Therapy, PGIMER, Chandigarh from the academic session 2007-08.

Major facilities available in the Department: (i) Cyclotron, (ii) High Energy Physics (Data Analysis and Detector fabrication Labs.) for studies connected with Collider Physics at CERN and Fermilab, Neutrino Physics at INO and Fermilab., (iii) Facilities for PAC/PAD studies of Hyperfine Interactions (iv) Semi-conductor laboratory, fabrication of thin films, (v)

Professors (Re-employed)	A.K. Bhati	Nuclear Condensed Matter Physics, Rel. Heavy ion Collisions (Experimental)	
Professors	Manjit Kaur	High Energy Physics (Experimental)	
	V.P. Singh	Mass Spectrometry & Geochronology	
	Devinder Mehta (Chairperson)	Nuclear Physics (Experimental)	
	Navdeep Goyal	Condensed Matter Physics (Experimental)	
	Rajeev K. Puri	Nuclear Physics (Theory)	
	G.S.S.Saini	At. Mol. Spectroscopy (Experimental)	
	C. Nagaraja Kumar	Theoretical Physics	
	S.K. Tripathi	Condensed Matter Physics (Experimental)	
	Sandeep Sahijpal	Astrophysics & Planetary Sciences (Theory)	
	Ranjan Kumar	Condensed Matter Physics (Theory)	
Associate Professors	B.R. Behera	Nuclear Physics (Experimental)	
	Vipin Bhatnagar	High Energy Physics (Experimental)	
	K.S. Bindra	Physics Education	
	Ashok Kumar	Nuclear Physics (Experimental)	
Assistant Professors	Sunita Srivastava	Theoretical Physics	
	J.S. Shahi	Nuclear Physics (Experimental)	
	Kuldeep Kumar	High Energy Physics (Theory)	
	Bimal Rai	Geochronology (Experimental)	
	Manish Dev Sharma	Electronics & Communication (Experimental)	
	Neeru Chaudhary	Instrumentation (Experimental)	
	Samarjeet Sihotra	Nuclear Physics (Experimental)	
	Rajesh Kumar	Condensed Matter Physics (Experimental)	
	Lokesh Kumar	High Energy Physics (Experimental)	
	Sakshi Gautam	Nuclear Physics (Theory)	
	Gulsheen Ahuja	High Energy Physics (Theory)	
	Emeritus Scientists Project Scientists	Suman Bala Beri (UGC)	High Energy Physics (Experimental)
		Satya Prakash (UGC)	Condensed Matter Physics (Theory)
Gulzar Singh		Nuclear Physics (Experimental)	
M.M. Aggarwal		High Energy Physics (Experimental)	
M.M. Gupta		High Energy Physics (Theory)	
V.K. Jindal		Condensed Matter Physics (Theory)	
Keya Dharamvir		Condensed Matter Physics (Theory)	
K.P. Singh		Nuclear Physics (Experimental)	
J.B.Singh	High Energy Physics (Experimental)		

COURSES OFFERED (SEMESTER SYSTEM)

M.Sc. (Hons.) Physics & Electronics	20+3 NRI	2 years	B.Sc. (Pass or Hons.) examination with Physics and Mathematics as elective subjects, or B.Sc. (Electronics), or B.Tech /B.E. (Electronics/ Electrical/ Mechanical or equivalent) with 50% marks of P.U. or any other exam. recognized as equivalent thereto.	Based on P.U.CET(PG) Academics: 40% P.U-CET(PG): 60% In addition, all students after passing B.Sc. (Hons.) in Physics & Electronics of P.U. will continue for a respective
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Paper-3	English/Environmental Science	Paper-3	English/Environmental Science
Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics	Paper-4	General Elective Courses (Any two): Mathematics, Chemistry/Biochemistry/ Biophysics, Geology, Statistics, Economics
Semester- III		Semester-IV	
Paper-1	Mathematical Physics - II	Paper-1	Mathematical Physics - III
Paper-2	Thermal Physics	Paper-2	Elements of Modern Physics
Paper-3	Digital Systems and Applications	Paper-3	Analog Systems and Applications
Paper-4	* Skill Enhancement Courses (Any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting	Paper-4	* Skill Enhancement Courses (Any one): Physics Enhancement Skills, Computational Physics Skills, Electrical Circuits and Network Skills, Basic Instrumentation Skills, Renewable Energy and Energy Harvesting
Paper-5	General Elective Courses (any one):Mathematics, Chemistry/Biochemistry/Biophysics, Geology, Statistics, Economics	Paper-5	General Elective Courses(any one): Mathematics, Chemistry/Biochemistry/Biophysics, Geology, Statistics, Economics
Semester-V		Semester- VI	
Paper-1	Quantum Mechanics and Applications	Paper-1	Electromagnetic Theory
Paper-2	Solid State Physics	Paper-2	Statistical Mechanics
Paper-3&4	Discipline Specific Elective Courses (Any two): Experimental Techniques in Physics, Semiconductor Devices and Circuit Analysis, Microprocessor and Microcontroller, Medical Physics, Nuclear and Particle Physics, Communication Systems, Digital Signal Processing, Dissertation	Paper-3&4	Discipline Specific Elective Courses (Any two) Experimental Techniques in Physics, Semiconductor Devices and Circuit Analysis, Microprocessor and Microcontroller, Medical Physics, Nuclear and Particle Physics, Communication Systems, Digital Signal Processing, Dissertation
M.Sc. (Hons.) Physics Semester-I		Semester-II	
Paper-1	Mathematical Physics I	Paper-1	Mathematical Physics-II,
Paper-2	Classical Mechanics	Paper-2	Statistical Mechanics
Paper-3	Quantum Mechanics	Paper-3	Relativistic Quantum Mechanics and Quantum Field Theory
Paper-4	Semiconductor Devices & Analog Electronics Physics Laboratory- I & Project Work Computational Techniques I	Paper-4	Classical Electrodynamics Physics Laboratory II Computational Techniques II
Semester-III		Semester-IV	

M.Sc.(Hons) Physics and Electronics

Semester-I		Semester-II	
Paper-1	Mathematical Physics-I	Paper-1	Relativistic Quantum Mechanics and Quantum Field Theory
Paper-2	Classical Mechanics	Paper-2	Statistical Mechanics
Paper-3	Quantum Mechanics	Paper-3	Electronics-II/Digital Electronics
Paper-4	Electronics-I: Semiconductor Device and Analog Electronics	Paper-4	Classical Electrodynamics
Paper-5	Physics Laboratory-I & Project	Paper-5	Physics Laboratory-II and Project Work
Paper-6	Computational Technique-I	Paper-6	Computational Techniques-II
Semester-III		Semester-IV	
Paper-1	Microprocessor and Microcontrollers	Paper-1	Advanced Microcontrollers and Microprocessors
Paper-2	Electronics Instrumentation and Power Electronics	Paper-2	Integrated and VLSI Circuit design
Paper-3	Condensed Matter Physics-I	Paper-3	Digital Signal Processing
Paper-4	Nuclear Physics-I	Paper-4	Statistical Mechanics
Paper-5	Particle Physics-I		

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training for usage of R and SPSS software for solving their practical assignments. To run the practicals and research work smoothly and without interruption, the department is in possession of a 125 KVA silent DG SET. Eminent Statisticians from India and other countries keep visiting the Department frequently for delivering lectures and research collaboration. The faculty members attend National and International conferences. Interaction with neighbouring industries in the field of process control and with institutes like PGIMER, GMCH, NIPER, IMTECH and NITTER etc. for providing research consultancy to doctors and researchers is another highlight of the Department of Statistics. The faculty members also collaborate with sister departments for research and data analysis. The Department of Statistics has an independent Library which has on shelf more than 4000 books and access to more than 30 journals.

FACULTY

Designation	Name	Field of Research Specialization
Professors	Kalpana K Mahajan	Statistical Inference, Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics.
	Amar Nath Gill	Multiple Comparison Procedures, Statistical Inference Applied Statistics.
	Kanchan K. Jain (Chairperson)	Reliability, Survival Analysis, Distribution Theory, Actuarial Statistics, Bio-Statistics, Measurement Error Models, Income Inequality
	Sangeeta Chopra	Applied Statistics, Income Inequality & Lorenz Dominance, Environmental Statistics, Statistical Inference
	Narinder Kumar Suresh K. Sharma	Statistical Inference and Multiple Comparison Procedures Biostatistics, Statistical Modeling, Ranking and selection and related estimation problems, Statistical Inference, Applied Statistics, Measurement Error Models
Assistant Professors	Manoj Kumar Anju Goyal	Linear Models, Econometrics Ranking and Selection Methodology, Multiple Comparison Procedures, Statistical Inference.

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility *	Admission Criteria
M.Sc.	34+5 NRI	2 Years	B.A/B.Sc. (General or Honours) with Mathematics/Statistics obtaining either at least 50% marks in aggregate or at least 45% in Statistics / Mathematics.	Based on Merit**
M.Phil.	10 (Maxi.) 05 (Mini.)	1 Year	See M.Phil./Ph.D. Prospectus 2017	
Ph.D.	05	3-6 Years	See M.Phil./Ph.D. Prospectus 2017	

Semester-III		Semester-IV	
Stat-301	Nonparametric Inference (Theory 3/4, Practical 1/4)	Stat-401	Multivariate Analysis (Theory 3/4, Practical 1/4)
Stat-302	Statistical Process and Quality Control (Theory 3/4, Practical 1/4)	Stat-402	Design and Analysis of Experiments (Theory 3/4, Practical 1/4)
Stat-303	Linear Inference (Theory 3/4, Practical 1/4)	Stat-403	Course selected from module
Stat-304	Course selected from module	Stat-404	Course selected from module
Stat-305	Computational Techniques Using R (Theory 1/2, Practical 1/2) * * will be introduced after necessary approval of the competent authorities.		
Module		Module	
M -1	Actuarial Statistics	M- 8	Real and Complex Analysis
M -2	Categorical Data Analysis	M- 9	Reliability
M -3	Econometrics (Theory 3/4, Practical 1/4)	M -10	Simultaneous Inference
M -4	Economic Statistics		

COURSE OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Tech (Nanoscience & Nanotechnology)	10+3NRI	2 Years	Bachelor's degree (4-years after 10+2) in Engineering/Technology, i.e. B.E./ B. Tech. (in any branch) OR Master's degree in Physics/ Chemistry/Biophysics/Biochemistry /Microbiology/Biotechnology/ NanoScience/Electronics with minimum 50% marks in the aggregate.	Based on PUCET (PG) Academics: 50% PUCET (PG): 50%
*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD Candidates				

M.Tech

Semester-1		Semester-II	
MNT6101	Foundation of Nanoscience Quantum and Statistical Machanics	MNT6201	Chemistry of Nanomaterials and Fabrication
MNT6102	Basics of Biology and Biotechnology in Nanoscience & Nanotechnology	MNT6202	Nano-biotechnology
MNT6103	Foundation of Nanoscience-Physical chemistry aspects	MNT6203	Physics of Nanomaterials
MNT6104	Synthesis and Characterization of Nano-materials	MNT6204	Semiconductor Devices in Nanoscience & Nanotechnology, MEMS and NEMS
MNT6105	Scientific Computation and Simulation in Nanoscience & Nanotechnology-1	MNT6205	Carbon Nanotube, its Functionalization and Nanofluidics
MNT6106	Laboratory-1	MNT6206	Laboratory-II
		MNT6207	Scientific Computation & Simulation-1
Semester-III		Semester-IV	
MNT7101	Supramolecular and Surface Chemistry of Molecular Devices	MNT7201	Major Project & Thesis
MNT7102	Nanocomposites: Structure Properties & Performance	MNT7202	Seminar
MNT7103	Project & Thesis Preliminary		
MNT7104	Laboratory-III		

THRUST AREAS

- Use of nanomaterial in Sensing Applications, Nanoparticles in Immunodiagnostics and Healthcare Applications, Metallic Nanoparticles for Pesticide and Contaminants Detection, Design of Polymer Nanocomposites.
- 2D-Layered materials, Graphene based Devices, Transition Metal Dichalco- genides for Photovoltaic, Optoelectronics.
- Third generation solar cells and interconnect materials.
- Nano-plasmonics and Photonics.

CENTRE FOR NUCLEAR MEDICINE**ABOUT THE CENTRE**

Nuclear medicine is a medical specialty concerned with the use of safe and small amounts of radioactive materials for diagnostic, therapeutic, and research purposes. More specifically, nuclear medicine is a part of molecular imaging because it produces images which reflect biological processes that take place at the cellular and subcellular levels. Though there are many diagnostic techniques currently available, nuclear medicine uniquely provides information about both the structure and function of virtually every major organ system within the body. It is this ability to characterize and quantify physiologic

function which separates nuclear medicine from other imaging modalities, such as x-ray, MRI and ultrasound. A typical nuclear medicine study involves the administration of a radionuclide into the body in order to obtain images of the organs, to perform various body function studies and to treat diseases.

Nuclear medicine experts designated as Nuclear Medicine Physicists are highly skilled individuals and their responsibilities include performing in vivo, radiation safety and quality control procedures. Other responsibilities which include operating the cameras that create images including patient positioning and processing the data for research purposes. The discipline of nuclear medicine also produces dedicated scientists who develop radiopharmaceuticals/radioisotopes for the imaging of organs and therapies.

Vision and mission of the Centre

Nuclear medicine is an emerging area in medicine and is growing at a fast pace in India and there is an urgent need for trained human resource as medical physicists and radiation safety officers for running nuclear medicine departments and industries that use radioisotopes. Therefore, the centre shall provide trained manpower to cater the needs of various hospitals, medical colleges/Institutes and Industry in India and abroad. The mission of the M.Sc. Nuclear Medicine Programme at Panjab University is to provide the students an opportunity to achieve expertise both in diagnostic imaging and therapeutics with clinical hands on experience in Nuclear Medicine. The Centre imparts a quality education leading to the award of degree in Masters of Science in Nuclear Medicine and train the students for national/international eligibility test to be designated as certified Radiation safety officers and medical physicists.

Unique features of the course

Panjab University is the second institution after AIIMS to start M.Sc. Course in Nuclear Medicine, which is approved by Atomic Energy Regulatory Board of India. The course is being conducted jointly with Department of Nuclear Medicine, PGIMER, Chandigarh and the students get ample opportunity for hands on clinical training.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Rajat Sandhir (Co-ordinator)	Neuroscience
Assistant Professor	Vijayta D. Chadha	Radiation biology and Radiopharmacy

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
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Semester- III		Semester-IV	
Paper-1	Nuclear Medicine Instrumentation	Paper-1	Medical Cyclotron, PET/CT & Allied Instrumentation
Paper-2	Radiological Protection & Dosimetry	Paper-2	Radiological Protection & Dosimetry
Paper-3	Principles and practice of Radiopharmacy	Paper-3	Nuclear Medicine Imaging & Radionuclide Therapy
Paper-4	Nuclear Medicine Imaging and Non-Imaging Procedures	Paper-4	Recent advances in Nuclear Medicine.

THRUST AREAS: To educate individuals to become high quality nuclear medicine technologists and Radiation safety officers. To provide a complete, up-to-date competency-based curriculum. To fulfill the need for nuclear medicine technologists in the local and regional communities.

PLACEMENTS: 100% placement of students as Medical physicists and Radiological safety Officers with a starting package of 5-7 lakhs per annum. Alumni working with nation renowned institutes/hospital viz PGIMER, Chandigarh; AIIMS, New Delhi; CMC, Ludhiana Oswal, Ludhiana; Tata Memorial Hospital, Mumbai; Rajiv Gandhi Cancer Speciality Hospital, Delhi; Baba Farid University, Faridkot; Safdarjung Hospital, Delhi; Max Hospital, Chandigarh

ALUMNI RELATIONS: Centre for Nuclear Medicine got the first Batch of M.Sc. Nuclear Medicine passed out in 2009. Till now, 8 Batches have Nuclear Medicine passed out after completion of M.Sc. degree and therefore, the Centre is now planning to form a formal Alumni Association of Centre for Nuclear Medicine so as to keep updated information/record about the Alumni placements and to organise Alumni meets/events regularly.

CENTRE FOR PUBLIC HEALTH

ABOUT THE CENTRE

Panjab University is running Master in Public Health since year 2007 under UIEST to cater with the emerging needs of the country to produce trained manpower for handling public health issues. Public Health is emerging as one of the most significant areas as health of the citizen is important resource and asset of a nation. Major advances in improvement of health over the next decade will be through the development and application of preventive programmes. Health service delivery systems are undergoing rapid changes. It is important to prepare a task force of experts in domain of public health. This course is being offered to prepare Public Health professional and to strengthen capacity of various Health Organization.

FACULTY

Designation	Name	Field of Research Specialization
Assistant Professor	Suman Mor (Co-ordinator)	Environment, Sanitation and Health
Assistant Professor (Temporary)	Manoj Kumar	Community Medicine

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
Master in Public Health	17+2NRI + 5 in-service**	2 Years	Bachelor's degree in any discipline with at least 50% marks from recognized University / Institute.	Based on PU-CET (PG) Academics : 50% PU- CET(PG) : 50%
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D Prospectus 2017	

* 5% concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

**Only regular employees in Government organization and having at least one year service experience to be admitted under "In-Service" category. The Candidate has to produce "No Objection Certificate" at the time of admission. In case of non-availability of in-service candidates the seats will be converted into General Category

TITLES OF SYLLABI (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

TITLES OF SYLLABI: (Detailed syllabus available at <http://puchd.ac.in/syllabus.php>)

M.SC.	Semester-I	Semester-II
Paper-1	Human Anatomy and Physiology	Paper-6 Histology
Paper-2	Cell Culture & Cell Technologies	Paper-7 Immunology & Immunogenetics
Paper-3	Genomics & Proteomics-I	Paper-8 Stem Cell Biology-I
Paper-4	Cells and Molecular Biology	Paper-9 Genomics & Proteomics-II
Paper-5	Cell and Molecular Techniques	Paper-10 Tissue Engineering-I Biomaterials
Semester -III		Semester -IV
Paper-11	Developmental Biology	Paper-16 Stem Cell Research Methodology
Paper-12	Stem Cell Signal Transduction & Epigenetic Mechanisms	Paper-17 Biostatistics and Computational Approach
Paper-13	Stem Cell Biology-II	Paper-18 Journal Club/Seminar
Paper-14	Stem Cell Translational & Ethics	Paper-19 Thesis/Project reports; Viva voce
Paper-15	Xenoantigens and Stem Cells	

THRUST AREAS: Renal Tissue Engineering & Molecular Biology of Renal Pathophysiology, cancer stem cell, stem cell differentiation and niche, toxicologic studies and kinetics.

PLACEMENTS: Students are placed in academia as well as industry. In academia, students are pursuing higher studies at prestigious institutes worldwide viz. Rosewell Cancer Institute, State University of New York, Buffalo, USA; Univ. of Manchester, UK; Monash Univ. Australia; ICGB, New Delhi etc. and at industry level students are currently placed at various companies viz. Parexel International; Cordlife India, GlaxoSmithKline; MDR Labs etc.

ALUMNI RELATIONS: The Centre of Stem Cell & Tissue Engineering has its alumni cell.

CENTRE FOR SYSTEM BIOLOGY & BIOINFORMATICS

FOR SYSTEM BIOLOGY & BIOINFORMATICS established at Panjab University, Chandigarh

System Biology and Cancer Biology

Desgnated as Professor (Professor) Tj -01106068 Tc 037.20 Td SturashK.s8harom8

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
M.Sc.	13+2NRI	2 Years	Bachelor's degree with 50% Marks in Science (General or Hons.) with Bioinformatics, Biotechnology, Biochemistry, Biology, Botany, Chemistry, Electronics, Genetics, Life Science, Mathematics, Mathematics & Computing, Microbiology, Physics, Statistics, Zoology, Agriculture, Computer Science, Engineering, Medicine, Pharmacy and Veterinary Science	Based on PU-CET(PG) Academics: 50% PU-CET(PG):50%
Ph.D	Subject to availability	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	

*5% Concession is admissible in eligibility marks to SC/ST/BC/PwD candidates

TITLES OF SYLLABI (Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)**M.Sc.**

Semester-I		Semester-II	
MSBB-101	Biophysical Chemistry of Biomacromolecules	MSBB-201	Spectroscopic Methods in Structural Biology
MSBB-102	Metabolomics and Metabolic Pathway Engineering	MSBB-202	Genomics and recombinant DNA technology
MSBB-103	Basic Concepts in Mathematics (For students with Biology Background)	MSBB-203	Computational Methods of Sequence Analysis and Biomacromolecular informatics
MSBB-104	Basic Concepts in Biology (For students with Non-Biology Background)	MSBB-204	Programming in C++ and PERL
MSBB-105	Biostatistics	Practical-210	Based on MSBB201
MSBB-106	Data Management and Biological Databases	Practical-220	Based on MSBB202
Prac-110	Based on MSBB101	Practical-230	Based on MSBB203
Prac-120	Based on MSBB102	Practical-240	Based on MSBB204
Prac-150	Based on MSBB105	Seminar	On (i) (a) Data bases and Bioinformatics tools on the internet (b) Modeling tools-Visualization and genome matrix (c) Solving of structures using different softwares (ii) Journal Club
Prac-160	Based on MSBB106		
Semester-III		Semester-IV	
MSBB-301	Computation Cell Biology I	MSBB401	Computation Cell Biology II
MSBB-302	Systems Biology	MSBB402	Chemoinformatics
MSBB-303	Proteomics and Systems Biology	MSBB403	Advance Bioinformatics and Nanotechnology
MSBB-304	Molecular Modeling and Computer aided Drug Design		Project Work and Oral Presentation
Practical-310	Based on MSBB301		
Practical-320	Based on MSBB302		
Practical-330	Based on MSBB303		
Practical-340	Based on MSBB304		
Seminar	On (i) (a) AMBER & Molecular dynamics, (b) E-cell (c) PyBio-S (d) System Biology benchworks (ii) Journal Club		

THRUST AREAS: (i) Statical Modelling, Biostatistics and Bioinformatics (ii) Cancer Biology and Genomics (iii) Conformational Studies and Sysbiomic (iv) Microarray data analysis.

PLACEMENTS: The Centre has its own placement cell and we approach different companies for placements of our students. Some students get jobs in Pharmaceutical industries like Quantum Solution, Panacea Biotech etc. Many others opt for Ph.D. programme and Research Projects after completing M.Sc. in our own Centre as well as in adjoining institutes like IMTECH, PGIMER etc.

ALUMNI RELATIONS: Since the Centre of Systems Biology & Bioinformatics was established at Panjab University, Chandigarh in 2007 and we are in the process of forming a strong data base for our Alumni.

DEPARTMENT OF ZOOLOGY

ABOUT THE DEPARTMENT

The Department of Zoology was established at Lahore in 1906 and later shifted first to Hoshiarpur after the partition of country and then to Chandigarh in July 1960. The department provides excellent opportunities to students who can acquire training and degree in Zoology through B.Sc. and M.Sc. (Honours) programme. The department has been organizing, seminars, symposia, workshops, field trips and other extra curricular activities from time to time for overall development of the young students.

The Department was awarded Centre of Advanced Studies (CAS-I) by the UGC from April 2007 to April 2012 under the thrust area of Biodiversity: Cell and Molecular Biology with a grant of Rs. 78.25 lacs. The UGC upgraded the department in 2015 to the level of CAS-II for five years with a financial assistance of Rs. 161.55 lacs and two research fellows. The Department was also recognised by the Department of Science and Technology in 2013 under its FIST programme and sanctioned a grant of 1.10 crores for 5 years. With this grant a flow cytometry laboratory was established with the most sophisticated LSR Fortessa Cell Analyzer.

The Department is running research projects funded by different agencies like DST, DST (UT), DST (SERB), UGC and CSIR. The department has central sophisticated laboratories well equipped with scientific instruments such as Real Time PCR, 2D Gel Electrophoresis, Ultracentrifuge, HPLC etc. The Department has a computer lab. for routine work as well as for accessing research related data for students. The Department library is stocked with highly informative text and reference books in addition to national and international journals. The Department houses two state of the art museums having more than 5000 specimens covering the whole Animal Kingdom. The museum boasts of an extensive collection of skeletons, mounted animals and specimens preserved in formalin. The museum is well curated with maintained stock registers

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.Sc.(Hons.)	25+4 NRI	3 Years	+2 examination under 10+2+3 system	Based at PUCET (UGns.) Academics: 25% temncilM

B

3. BZO-DSE3: Endocrinology
4. BZO-DSE4: Fish and Fisheries
5. BZO-DSE5: Immunology
6. BZO-DSE6: Parasitology
7. BZO-DSE7: Reproductive Biology
8. BZO-DSE8 : Wild Life Conservation and Management

3. BZO-GE3*: Immunology
4. BZO-GE4*: Human Physiology
5. BZO-GE5*: Insect Vector and Diseases
6. BZO-GE6*: Evolution and Palaeontology

**Courses under these will be offered only if a minimum of 10 students opt for the same

Outlines for Semester II will be same as for Semester I. A Department will run a particular Generic Elective Course only if the minimum number of students opting for that course is 10.

M.Sc. (Hons.)

Semester- I		Semester- II	
Paper-1	Comparative Animal Physiology & Endocrinology	Paper-6	Methodology & Instrumentation
Paper-2	Cytogenetics & Cell Biology	Paper-7	Molecular Biology
Paper-3	Biology of Parasites	Paper-8	Biology of Vertebrate Immune System
Paper-4	Insects Ecology & Insect Physiology	Paper-9	Development Biology
Paper-5	Aquaculture & Fisheries	Paper-10	Environmental & Quantitative Biology
Semester- III		Semester- IV	
Paper-11	Animal Bio- Chemistry	Paper-12	Any one of the following: i. Limnology & Fisheries ii. Entomology iii. Concepts in Parasitology iv. Genetics & Molecular Cytogenetics v. Stress and Reproductive Physiology

THRUST AREAS: Fish & Fisheries, Cell & Molecular Biology, Entomology, Parasitology and Reproductive Physiology.

PLACEMENTS: At present the department is coordinating with the Central Placement Cell, Panjab University for placement of students of the department. However, the department is exploring the possibilities for placement of students at graduate, post graduate and post-doctoral levels.

ALUMNI RELATIONS: The department also has an Alumni Association and a Zoological Society. Alumni from this department occupy important positions in academic and administrative areas. The faculty and students are members of the society which caters to academic and extra-curricular needs of its members.

UNIVERSITY INSTITUTE OF FASHION TECHNOLOGY AND VOCATIONAL DEVELOPMENT

ABOUT THE INSTITUTE

University Institute of Fashion Technology and Vocational Development (UIFT&VD) is an in-Campus Institute, established by the Panjab University, Chandigarh in 2007 as a commitment to carry forward its goal of providing trained professionals for the fast growing fashion, apparel, and textile industry in the region in particular and the country in general. UIFT&VD offers a prestigious Five Year Integrated B.Sc. & M.Sc. Degree in Fashion and Lifestyle Technology. The programme laid out in a semester system focuses on self sustaining education and training in fashion and lifestyle technology. First three years

Highly trained and experienced faculty involved in giving thorough theoretical and practical knowledge inputs along with assistance rendered to lead the students in task based studies helps the young learners to hone their talent to face the challenging requirements of the Fashion Industry.

To move into the global mainstream of intense economic competition and to reckon with requirement of the Fashion Industry of India in totality, the Department liaises with fashion related organizations for guiding the students in handling latest technology. There is regular interaction with experts at Design Studios, Production Houses, Distribution Centers and Retail Establishments as well as the Industry to form a vital bridge between University Institute of Fashion Technology and the larger community. With an MoU with Nottingham Trent University, U.K. a series of exchanges have begun, giving rise to cross cultural teaching and learning process

The department offers state of the art equipment for hands on experience of the students. A proposed Resource Centre and an Amphitheatre shall take the Institute to the next level in terms of infrastructural facilities.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Swarnjit Kaur (Co-ordinator)	Globalization & Human Rights
Assistant Professors	Prabhdip Brar	Apparel Design, Art History & Fine Arts
	Rita Kant	Clothing & Textiles
	A	

B.Sc.	Semester-I	Semester -II
Paper-1	English-I	Paper-1 English-II
Paper-2	Fabric Technology-I (Theory)	Paper-2 Fabric Technology-II (Practical)
Paper-3	Fashion Studies – I (Theory)	Paper-3 Visual Design -II (Practical)
Paper-4	Visual Design -I (Practical)	Paper-4 Fashion Illustration -II (Practical)
Paper-5	Fashion Illustration-I (Practical)	Paper-5 Pattern Development-I (Practical)
Paper-6	Introduction to Sewing Techniques (Practical)	Paper-6 Sewing Techniques (Practical)
Paper-7	Computer Graphics-I (Practical)	Paper-7 Computer Graphics -II (Practical)
	Lifestyle Management I	Lifestyle Management II
	Semester-III	Semester-IV
Paper-1	English-III	Paper-1 English-IV
Paper-2	History of Indian Costumes (Theory)	Paper-2 History of World Costumes (Theory)
Paper-3	Fabric Technology –III (Theory)	Paper-3 Traditional Indian Textiles and Embroideries (Practical)
Paper-4	Project Based Fashion Studies (Practical)	Paper-4 Fabric Technology IV (Practical)
Paper-5	Design Process –I (Practical)	Paper-5 Design Process II (Practical)
Paper-6	Fine Arts & Fashion Illustration –III (Practical)	Paper-6 Fine Arts & Fashion Illustration IV (Practical)
Paper-7	Advance Pattern Development(Practical)	Paper-7 Advanced Pattern Development and Draping (Practical)
Paper 8	Garment Construction Technology –I (Practical)	Paper 8 Garment Construction Technology II (Practical)
Paper 9	Computer Graphics –III (Practical)	Paper 9 Computer Graphics IV (Practical)
	Lifestyle Management III	Lifestyle Management IV
	Semester-V	Sr. No. Semester-VI
Paper-1	English-V	Paper-1 English-VI
Paper-2	Fundamentals of Marketing (Th.)	Paper-2 Apparel & Textile Merchandising (Th.)
Paper-3	Communication Through Fashion Journalism (Th.)	Paper-3 Personality & Clothing (Th.)
Paper-4	Basics of Weaving Technology (Pr.)	Paper-4 Fashion Illustration & Design Collection VI (Pr.)
Paper-5	Basics of Knitting Technology (Pr.)	Paper-5 Pattern Development V (Pr.)
Paper-6	Fine Arts & Fashion Illustration V (Pr.)	Paper-6 Commercial Clothing II (Pr.)
Paper-7	Pattern Development IV (Pr.)	Paper-7 Computer Graphics VI (Pr.)
Paper-8	Commercial Clothing I (Pr.)	Paper-8 Fashion Photography (Pr.)
Paper-9	Computer Graphics V (Pr.)	Paper-9 Portfolio Making (Pr.)
	Lifestyle Management V	Lifestyle Management VI
M.Sc.		
	Semester-I	Semester-II
Paper-1	Fashion Retailing & Merchandising I (Th.)	Paper-1 Fashion Retailing and Merchandising II (Th.)
Paper-2	CAD Fashion Studio I (Pr.)	Paper-2 Quality Management (Th.)
Paper-3	Textile Testing (Th.)	Paper-3 CAD Fashion Studio II (Pr.)
Paper-4	Textile Testing (Pr.)	Paper-4 Textile Chemistry (Th.)
Paper-5	*Apparel Core (kids wear) (Pr.)	Paper-5 Textile Chemistry (Pr.)
	Design Development	
	Pattern Development	
	Product Development	
Paper-6	Craft Survey & Documentation (Pr.)	Paper-6 *Apparel Core (Women's wear) (Pr.)
		Design Development
		Pattern Development
		Product Development
	Lifestyle Management VII	Lifestyle Management VIII

Semester-III

Paper-1	Research Methods (Th.)
Paper-2	Statistics (Th.)
Paper-3	CAD Fashion Studio-III (Pr.)
Paper-4	Advanced Weaving Technology (Pr.)
Paper-5	**Apparel Core (Men's Wear) (Pr.)

Semester-IV

Paper-1	Industrial Management (Th.)
Paper-2	Entrepreneurship Development (Th.)
Paper-3	Advanced Knitting Technology (Pr.)
Paper-4	Port Folio Development (Pr.)

Associate Professors	Mohammed Khalid	Geopolitics of Indian Ocean
	Gauri Sharma	Medieval Indian History
	Neeraj Jain	Fiction (Modern Novel)
	Bhupinder Kaur	Modern Punjabi Poetry
	Rehana Parveen	Tanz-o-Mizah Nigari Dr. Safiq-ur-Rehman Ek Mutaliya
	Vandana Maini	Organizational Behavior
	Neeraj Sharma	Rural Development
	Suman Makkar	International Economics and Macro Economics
	G.C. Chauhan	Ancient Indian History
	Gurpreet Kaur	Punjabi Culture & Folklore
	Chander Mohan	Punjabi Fiction
	Archana	American Literature
	Keerti Vardhan	Combinatorial Topology
	Amandeep	Dalit Literature, American Literature and Indian Writing
Amandeep Singh	NIL	
Kusum	Indian Literature	
Simran Kaur	Micro Economics	

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.	200	3 Years	<p>a) Passed +2 or equivalent examination (or has compartment with at least 20% marks in the compartment subject) conducted by any Board/Body/Council/University in India, provided the candidate has passed English at +2 examination. In cases, where passing in English is not necessary according to the regulations of certain Boards/Bodies/ Councils / Universities in India, the admission of the candidate shall be provisional and will be confirmed only after he /she has cleared the subject of English as a deficient subject from the parent Board/Body/Council /University in two consecutive chances subsequent to his /her admission.</p> <p>b) Students who have qualified at least 50% of the in3B.A onlrie le0.01seekof the/20.</p>	Based on Merit

Law (or any Company Law), Auditing, (x)
Typewriting and Stenography/Computers
(for typewriting)

(B) Two of the above mentioned subjects securing at least 50% marks in the aggregate, provided the candidate has passed English at +2 examination. In cases where passing in English is not necessary according to the regulations of certain Boards/Bodies/Councils/Universities in India, the admission of the candidate shall be provisional and will be confirmed only after he /she has cleared the subject of English as a deficient subject from the parent Board/Body/Council/University in two consecutive chances subsequent to his/her admission.

M.A.

M.A.

M.A. History	68	2 Years	Passed one of the following examinations from a recognized University: Bachelor's degree in any faculty with atleast 50% marks in the aggregate. OR B.A/B.Sc. pass in full subjects obtaining atleast 45% marks in the subject of History. OR B.A with Hons. in History. OR Master's degree in another subject/faculty.	Based on Merit
Ph.D in English Economics Political Sci. Punjabi History	Eng=25 Eco=05 PoL=13 Pbi=16 His=15	3-6 Years	See M.Phil/Ph.D. Prospectus 2017	
*5 % Concession is admissible in eligibility requirement to SC/ST/BC/PwD Candidates.				

TITLE OF SYLLABI: (Detailed syllabi available at <http://puhcd.ac.in/syllabus.php>)

Subject Combinations for B. A.

- Compulsory subjects: (i) Punjabi or History and Culture of Punjab* (ii) English
- One subject from each of the three groups i.e. Group- A (Political Science, Public Administration, Police Administration), Group-B(Sociology, Sanskrit, History, Mathematics) & Group-C (Economics, English Elective, Urdu Elective, Punjabi Elective, Hindi Elective)
- Environment and road safety education.

Subject combinations opted by students in the 1st Semester will remain same throughout the entire six Semesters of B.A. Course.

B.A.

Name of Paper	Semester-I	Semester-II	Semester -III	Semester -IV	Semester-V	Semester-VI
Political Science	Political Theory-I	Political Theory-II	Indian government and politics	Indian politics	Comparative political systems (UK and Usa)	International politics : theory and practice
Public Administration	Administrative Theory	Indian Administration	Personnel administration (with special reference to India)	Financial administration (with special reference to India)	Local government (with special reference to Punjab)	Development administration (with special reference to Punjab)
Police Administration	Police Administration in India	Constitution of India	Police Personnel Administration	Law and Order Administration	Development administration (with special reference to Punjab)	Law and Police Administration
Sociology	Fundamentals of Sociology	Sociology Stratification	Social Structure And Social Change	Social Institutions	Society in India	Disorganisation and emerging problems
Sanskrit	Sanskrit	Sanskrit	BhagvadGeeta and Vyakaran	Natak and Vyakaran	Upnishad, Ramayan , Shabdavali and Vyaakaran	LokikKavya , Itihaas , Nibandh and vyakaran
History	History of india upto 1200 a.d.	History of india 1200-1750 a.d.	History of india, 1750-1964 a.d.	History of the punjab, 1469-1849 a.d.	History of punjab 1849-1966	World history 18th-20th century
Mathematics	Plane geometry	Solid geometry	Advanced calculus-i	Advanced calculus-ii	Analysis - i	Analysis - ii
Economics	Micro economics	Macro economics	Public finance and international economics	Quantitative methods	Economics of development	Indian economy

English Elective Urdu Elective	English Elective Essay and Composition:	English Elective Prose and Poetry	English Elective Prose and Poetry	English Elective Novel: EkChadarMaili Si	English Elective Urdu Elective	English Elective Short story and literary history of Urdu literature Punjabi Elective Hindi Elective
Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective	Punjabi Elective Hindi Elective
B.Com.						
Semester-I	Semester-II	Semester -III	Semester -IV	Semester-V	Semester-VI	
Punjabi Or History and culture of Punjab	Punjabi Or History and culture of Punjab	Interdisciplinary Issues in indian commerce	Interdisciplinary Security analysis and portfolio management	Income tax law	Direct tax laws	
English and business communication Interdiscip- Linary Psychology for managers Business economics-i	English and business communication Interdiscip linary E-commerce Business economics-ii	Cost Accounting Company law Business mathematics and statistics Banking and insurance Indirect tax laws	Advanced Accounting Auditing and secretarial practice Cost management Marketing management Quantitative techniques and method	Management Accounting Indian economy Production and operation management Entrepreneurship and small business Financial markets and services	Financial Management Issues in financial reporting Social and business ethics Operation research Sectoral aspects of Indian economy	
Principles of financial accounting Commercial laws	Corporate accounting Business laws					
Principles and practices of management	Human resource management					

Environment and road safety education*

	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Literary Criticism I	Literary Criticism II	Literary Theory-I	Literary Theory-II
Paper-2	British Poetry	British Poetry II	Indian Writing in English	Indian Writing in Translation
Paper-3	British Drama I	British Drama II	American Literature-I (opt. iii)	American Literature-II (opt. iii)
Paper-4	British Fiction I	British Fiction II	World Poetry/Novel in Translation(opt.iii)	World Drama in Translation (opt. iii)
M.A. (Economics)				
	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Micro Economics-I	Micro Economics-II	Macro Economics-I	Macro Economics-II
Paper-2	Contemporary Issue in Indian Economy-I	Contemporary Issue in Indian Economy-II	Economics of Growth and Development-I	Economics of Growth and Development-II
Paper-3	Quantitative Methods-I	Quantitative Methods-II	any two of the option for Paper-III & IV	any two of the option for Paper-III & IV
Paper-4	Economics of Public Finance	International Economics	opt (i) :Economics of Agriculture-I opt(ii) :Economics of Industry-I	opt(i): Economics of Agriculture-II opt(ii): Economics of Industry-II
M.A. (Punjabi)				
	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Madhkali Punjabi Sahit Da Itihas	Adhunik Punjabi Sahit da Ithas	BhashaVigyan ate Punjabi Bhasha	BhashaVigyan ate Gurmukhi Lipi
Paper-2	Sahit Sidhantte Punjabi Alochana	AdhunikPachmiKav Sastra te Vivharik Kavi Shastra	Sabhyacharlokdhara ate Punjabi sabhyachar	Punjabi Lokdhara ate LokSahit

Paper-3	Punjabi GurmatKaav	Madhkali Punjabi Kaa	AdhunikPunjabiKavita-I	Adhunik Punjabi Kavita-II
Paper-4	Punjabi Novel	Punjabi Novel da Adhyan	Punjabi Natak ate Rangmanch da Adhyan-I	Punjabi Natak ate Rangmanch da Adhyan
M.A. (Political Science)				
	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Western Political Thought-I	Western Political Thought-II	Indian Political Thought-I	Indian Political Thought-II
Paper-2	Key Concepts in Political Analysis	Comparative Politics-I : Understanding Advanced Industrial Societies	Comparative Political System with Special reference to USA, UK, China & Switzerland	Foreign Policy of India
Paper-3	Indian Political System	Indian Politics	International Organization (opt.a)	Parties and Electoral Politics in India (opt. A)
Paper-4	International Relation: An Historical overview	Approaches to the study of International Relation	Public Administration (opt.h)	Introducing Federalism (opt.e)
M.A. (History)				
	Semester-I	Semester-II	Semester-III	Semester-IV
Paper-1	Ancient India: An Overview	Agrarian Economy of Ancient India	Punjab in the Nineteenth Century	Punjab in Twentieth Century
Paper-2	Medieval India: Political Processes	Punjab in the Eighteenth Century	National Movement in India (1858-1947) (opt.i)	History & Historical Method Opt. (ii)
Paper-3	Modern India: Political Processes	USA (1820-1973)	Constitutional development in Modern India (1773-1947) (opt.iii)	Budhism in India Opt.(xi)
Paper-4	The Punjab (Mid-Fifteenth to Seventeenth Centuries)	Modern World (1500-1900)	Sacred Centres in Indian Civilization Opt.(x)	Islamic Traditions of Medieval India Opt. (xii)

THRUST AREAS: Interdisciplinary Studies in languages, Literatures and social sciences.

PLACEMENTS: The Department has a placement cell, which help the students, those who are in the final semesters of M.A./ B.Com and B.A, in getting good jobs.

ALUMNI RELATIONS: The Department has produced a number of distinguished persons and is proud of its alumni. To name a few, Prof. G. K. Chadha, former Vice Chancellor of JNU and presently on Advisory Panel of the Prime Minister of India; Prof. S. K. Gupta, former Vice Chancellor, HP University Shimla; S. Partap Singh, Secretary, Punjab Vidhan Sabha; Shri Swaraj Kaushal, former Governor, Mizoram; Shri K. R. Punia, IAS; S. Jasbir Singh Bir, M.D., CITCO; Shri K. A. P. Sinha, IAS and many others in the Indian Civil and Police Services have been students of this department. A large number of civil servants in Punjab and Chandigarh, Bank officers (holding senior positions now), principals of many colleges were students of this Department at one time.

UNIVERSITY SCHOOL OF OPEN LEARNING (USOL)

ABOUT USOL

The University School of Open Learning, formerly the Department of Correspondence Studies, was established in 1971. Over the years, USOL has grown and emerged as one of the premier institutes of distance and open learning in India. This multi-faculty, multidisciplinary school offers a wide range of courses. Besides offering traditional courses at

undergraduate and post-graduate levels, USOL offers an array of professional, innovative and value-added courses to cater to the emerging societal needs. All the courses being offered by USOL have been duly approved by the Distance Education Bureau (UGC) and the learners enrolled in these courses undertake the same curriculum and examination as their counterparts in 'regular' departments/colleges of the Panjab University.

To give a satisfying learning experience to its over 20,000 learners USOL has an effective support system. USOL instructional

Philosophy

Tutor-cum-curator Sudhir K. Baweja Indian aesthetics, vivekananda studies, value education and leadership studies

Mathematics

Coordinator Dr. Vikash Bisht

Political science

Professors S.k. Shukla International politics & state politics
Emanuel Nahar Minority dalit politics & foreign policy

Assistant Professors Kamla Human rights, indian political system

Psychology

Dr Kuljeet Kaur

Punjabi

Professor Jaspal Kaur Kaang Medieval punjabi literature, gurmat literature & sahit, punjabi fiction

Assistant Professors Parveen Kumar Modern punjabi poetry
Harmail Singh History of punjabi literature

Public administration

Professors Swinder Singh Administrative theory, local governance & law
Vijay Rattan Development, administration, local governance

Assistant Professors Anil Kumar Personal administration
Purva Mishra Urban local governance & e-governance

Sanskrit

Professor V.K. Alankar

Sociology

Professor Madhurima Mahajan Sociology of family & gender studies, gerontology
sociology of violence, crime disability studies
Rajni Sociology of education, development & urban studies
Reena Rani Sociological dimensions of dev., perspectives & concept

Statistics

Professor Ravi k. Mahajan Applied statistics, psychometric, distance education

Assistant Professor Richa Sharma Survival analysis

COURSES OFFERED

For admission to various courses in USOL, separate Prospectus will be available online at its website www.usol.pu.ac.in. Admission notice for following courses will be advertised in the leading newspapers in the month of June/July.

I. Under Graduate Courses (Semester System)

1. Bachelor of Arts (B.A.)
2. Bachelor of Commerce (B.Com.)
3. Bachelor of Library & Information Science (B.Lib.) (One Year Course)

II Diploma Courses (Semester System)

1. Postgraduate Diploma in Computer Applications (PGDCA)
2. Postgraduate Diploma in Human Rights & Duties (PGDHR & D)
3. Postgraduate Diploma in Health, Family Welfare and Population Education (PGDHF&PE)
4. Postgraduate Diploma in Library Automation and Networking (PGDLAN)
5. Postgraduate Diploma in Mass Communication (PGDMC)
6. Postgraduate Diploma in Statistics (PGDSt.)

III. Certificate Courses (Annual System)

1. Certificate Course in Vivekananda Studies
2. Certificate Course in Women Studies

IV. Post-graduate Courses (Semester System)**1. Masters of Arts (M.A.)**

- | | |
|--|-----------------------------|
| (i) English | (v) History |
| (ii) Hindi | (vi) Political Science |
| (iii) Punjabi | (vii) Public Administration |
| (iv) Economics | (viii) Sociology |
| (ix) Education (introducing from academic session 2017-18) | |

Economics		Economics or 50% marks in aggregate. OR B.A. with Honours in Economics or B.Sc.(Hons.). OR Master's degree examination in any other subject.	
M.A. Punjabi	46	2 Years	Bachelor's Degree obtaining at least 45% marks in the subject of Post-graduate Course or 50% marks in aggregate provided the candidate has passed Punjabi as an elective or literature subject. OR B.A. with (Hons) in Punjabi or B.Sc.(Hons.) Course OR Master's degree examination in any other subject provided the candidate has studied Punjabi (compulsory) at graduate level
M.A. Pol. Sci.	46	2 Years	Bachelor's Degree obtaining at least 45% marks in the subject of Political Science, or 50% marks in the aggregate. OR B.A. with 45% marks in any social science discipline. OR B.A. with (Hons) in the subject of Political Science or B.Sc.(Hons.). OR Master's degree examination in any other subject.
LL.B.***	60	3 Years	

Based on Merit

Based on Merit

Note-2: The applicants who have obtained 10+2 or Graduation/Post Graduation through open universities system directly without having any basic qualifications for prosecuting such studies be not admitted in law courses.

Note-3: No candidate will be admitted to the LL.B. course having any Degree inconsistent with the University Grants Commission Regulations and also Bar Council of India, Rules of Legal Education 2008.

Note 4 : The concession by way of additional seat for Only (Single) Girl Child and for Cancer/Aids Patient is not applicable to the students falling under regulatory agencies such as MCI, DCI, BCI and NCTE. As the LL.B. course is regulated by Bar Council of India, this concession is not applicable to the LL.B. course.X=Academic Marks i.e. 20 %)

*** Same Rules/Regulations/Eligibility for admission to LL.B. is followed by Department of Laws, PU, and PURC, Muktsar, PURC Hoshiarpur and PURC Ludhiana.

TITLE OF SYLLABI(Detailed syllabi available at <http://puchd.ac.in/syllabus.php>)

LL.B.

Semester -I		Semester- II	
Paper- 1	Jurisprudence-I	Paper- 1	Jurisprudence II
Paper- 2	Constitutional Law I	Paper- 2	Constitutional Law II
Paper- 3	Law of Contract	Paper- 3	Special Contracts
Paper- 4	Family Law I	Paper- 4	Family Law II Paper – V International Human Rights & Public International Law
Paper- 5	Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws	Paper- 5	Jurisprudence II
Semester-III		Semester-IV	
Paper- 1	Law of Crimes-I	Paper- 1	Paper – I - Law of Crimes-II
Paper- 2	Property Law	Paper- 2	Paper- II - Company Law
Paper- 3	Labour Law Option : Any two of the following	Paper- 3	Paper – III - Administrative Law
Paper- 4	Paper IV & V-(a) Law of Taxation (b) Local Self Government including Panchayat Administration (c) International Organization and Humanitarian Law (d) Penology and Victimology	Paper- 4	Paper – IV - Alternate Dispute Resolution Option : Any one of the following Paper V (a) - Information Technology Act & RTI Act
Paper- 5	Paper – I - Law of Crimes-I	Paper- 5	Paper V (b) - International Labour Organization and Labour Laws
Semester-V		Semester-VI	
Paper- 1	Paper – I - Law of Evidence	Paper- 1	Paper – I - Environmental & Wild Life Protection Laws
Paper- 2	Paper – II - Criminal Procedure Code	Paper- 2	Paper – II - Civil Procedure Code & Limitation Act
Paper- 3	Paper – III - Service Law	Paper- 3	Paper – III - Professional Ethics & Professional Accounting System
Paper- 4		Paper- 4	Paper - IV - Moot Court Exercise and Internship Option : Any one of the following:
Paper- 5		Paper- 5	Paper V (a) - Interpretation of Statute and Principle of Legislation Paper V (b) - IPR Management

M.A Economics

Semester -I		Semester -II	
Paper- 1			

Paper- 3	MAECO-103 Quantitative Methods-I	Paper- 3	MAECO-203 Quantitative Methods-II
Paper- 4	MAECO-104 Economics of Public Finance	Paper- 4	MAECO-204 International Economics
Paper- 5		Paper- 5	
Semester -III		Semester -IV	
Paper- 1	MAECO-301 Macro Economics-I	Paper- 1	MAECO-401 Macro Economics-II s
Paper- 2	MAECO-302 Economics of Growth and Development-I	Paper- 2	MAECO-402 Economics of Growth and Development-II Any two of the following options for Papers
Paper- 3	MAECO-303 & 304 (i) Economics of Agriculture-I s (ii) Economics of Industry-I Marks (iii) Basic Econometrics s (iv) Economics of Population OR Economics of Human Resource Development History of Economic Thought s	Paper- 3	MAECO-403 & 404 (i) Economics of Agriculture-II (ii) Economics of Industry-II (iii) Mathematical Economics (iv) Economics of Money and Banking OR Economics of Financial Markets & Institutions (v) Advanced Econometrics

**M.A Punjabi
MA.**

Semester-I		Semester-II	
Paper-1	Madhkali Pbi. Sahit da Itihas	Paper-1	Adhunik Pbi. Sahit da Itihas
Paper-2	Sahit Sidhant, Sanatani Kaav Shastar ate Pbi Alochna	Paper-2	Adhunik paschami Kav Shastar ate Viharak Alochna
Paper-3	Madhkali Pbi. Kaav -I Opt (i) Gurmat ate Sufi Kaav Opt (ii)	Paper-3	Madhkali Pbi. Kaav -II Opt (i) Sufi, Kissa ate Bir Kaav Opt (ii)
Paper-4	Punjabi Novel da Adhiyan Opt (i) Punjabi Kahani da Adhiyan Opt (ii)	Paper-4	Punjabi Novel da Adhiyan Opt (i) Punjabi ate Parvasi Punjabi Kahani da Adhian Opt (ii)
Hons. Paper-5	Guru Nanak Bani - Deeragh da Adhiyan	Hons. Paper-5	Varis Shah - Deeragh Adhiyan
Hons. Paper-6	Pra-alochana Ate Punjabi Purav Marxvadi Alochna da Adhyan	Hons. Paper-6	Uttar Marxvadi Punjabi Alochna da Adhiyan

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Paper-3 Course III : Indian Politics :
Institutions at work (Compulsory)
Paper-4 Course IV : International Relations :
An Historical Overview

Semester -III

Paper-1

Paper-3 Course VII : Indian Politics :
Political Processes (Compulsory)
Paper-4 Course VIII : Approaches to the Study
of International Relations.

Semester -IV

Assistant Professor	Yogita Sarohi	Human Resource Management
Assistant Professor	Rajneesh	Dams and Displacement
Assistant Professor	Dr. Angrej Singh Gill	Economics of Education

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility	Admission Criteria
B.A.	80	3 years	Passed 10+2 examination from a recognized Board /CBSE	Based on merit
BBA	40	3 years	10+2with 50%marks	Based on merit
B.Com	40	3 years	10	

Paper 1 Consumer Behavior
 Paper 2 Sales and Distribution Management
 Group B Financial Management
 Paper 1 Financial Markets and Services
 Paper 2 Investment Management
 Group C Human Resource Management
 Paper 1 Social Security and Labour Welfare

Paper 2 Industrial Relations and Labour Legislation

B Com

Semester-I

Paper 1 PUNJABI or History and Culture of Punjab
 Paper 2 English and Business communication
 Paper 3 Psychology for Managers
 Paper 4 Business Economics-1
 Paper 5 Principles of Financial Accounting
 Paper 6 Commercial Laws
 Paper 7 Principles and practices of Management

Semester-III

Paper 1 Issues in Indian Commerce
 Paper 2 Cost Accounting
 Paper 3 Company Law
 Paper 4 Business Mathematics and Statistics
 Paper 5 Banking and Insurance
 Paper 6 Indirect tax Law

Paper 1 Advertising and Brand management
 Paper 2 Marketing of services
 GROUP B Financial Management
 Paper 1 Cost Analysis and control
 Paper 2 Accounting for Management
 Group c Human resource management
 Paper 1 Human Resource Planning and Performance Management
 Paper 2 Compensation Management

Semester-II

Paper 1 PUNJABI or History and Culture of Punjab
 Paper 2 English and Business Communication
 Paper 3 E- Commerce
 Paper 4 Business Economics-2
 Paper 5 Corporate Accounting
 Paper 6 Business Laws
 Paper 7 Human Resource Managements

Semester-IV

Paper 1 Security analysis and Portfolio Management
 Paper 2 Advanced Accounting
 Paper 3 Auditing and Secretarial Practice
 Paper 4 Cost Accounting
 Paper 5 Marketing Management
 Paper 6 Quantitative Techniques and Methods

the then Vice-Chancellor from Sh. Lala Lajpat Rai, M.P.(Rajya Sabha) out of the MP Local Area Development Fund Scheme and the Institute was formally inaugurated by His Excellency, the Governor of Punjab, Justice O.P. Verma on 05th October, 2003.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Harmeet Singh Sandhu (Director Hony)	Environmental Law
Associate Professor	Arti Puri (Coordinator for LL.B)	Constitutional Law
Assistant Professor	Aman A Cheema	Criminal Law
Assistant Professor	Aditi Sharma	Gender Studies and Criminology
Assistant Professor	Ashish Virk	Jurisprudence, Human Rights
Assistant Professor	Shiv K. Dogra (Coordinator for BA.LL.B Hons)	Criminal Law
Assistant Professor	Neelam Batra	Contract, Family Law
Assistant Professor	Vaishali Thakur	Commercial Law
Assistant Professor (English)	Harpreet K. Vohra	Canadian Literature, Literature of North East India, Childrens Literature
Assistant Professor (Pol. Science)	Rajnish Saryal	International Environmental Politics and Climate Change Policy LIR Theory
Assistant Professor (History)	Meera Nagpal	Social History in Late Medieval Punjab
Assistant Professor (Economics)	Pooja Sikka	Development Economics
Part Time Assistant Professors (Laws)	Vandana Bhanot Sharwan Sehgal Sarita Paul Kuljit Singh Sunil Mittal	Constitutional Law Labour Laws and Service Law Constitutional Law and Family Law. Environmental Law Criminal Law

COURSES OFFERED (SEMESTER SYSTEM)

Course	Seats	Duration	Eligibility*	Admission Criteria
B.A.LL.B (Hons) Self Finance	60	5-Year	10+2 examination with atleast 50% marks from any recognized Board/University.	Based on PU-CET (UG) Academic Marks: 50% PUCET (UG): 50%
LL.B. (Self Finance)	60	3 Years	i) Bachelor's/Master's Degree in any discipline with at least 45% marks in aggregate from Panjab University or any other University recognized by Bar Council of India ii) In case of a candidate having a Bachelor's degree of this University or any other University recognized by the Syndicate, through Modern Indian Languages (Hindi or Urdu or Punjabi (Gurmukhi Script) and/ or in a Classical Language (Sanskrit or Persian or Arabic) the aggregate of 45% marks shall be calculated by taking into account the percentage of aggregate marks that he had secured at the language examination, excluding the marks for additional optional paper, English and the elective subject taken together.	Based on PU-CET (PG) Academics: 50% PU-CET (PG): 50%

GROUP-II CRIMINAL & CORPORATE LAW

Paper-1	Criminology, Penology and Victimology XIII
Paper-2	Economic and Social Offences XIV
Paper-3	Corporate Governance and Corporate Social Responsibility XV
Paper-4	Banking and Insurance Law

Paper-2	International Trade Law
Paper-3	Dissertation & Viva-Voce
-	-
-	-
-	-

LLB (3 Year Course)

Semester -I		Semester -II	
Paper-1	Jurisprudence-I	Paper-1	Jurisprudence II
Paper-2	Constitutional Law I	Paper-2	Constitutional Law
Paper-3	Law of Contract	Paper-3	Special Contracts
Paper-4	Family Law I	Paper-4	Family Law II
Paper-5	Law of Torts including Motor Vehicle Accidents	Paper-5	International Human Rights & Public International Law
Semester -III		Semester -IV	
Paper-1	Law of Crimes-I	Paper-1	Law of Crimes-II
Paper-2	Property Law	Paper-2	Company Law
Paper-3	Labour Law	Paper-3	Administrative Law
Paper-4&5		Paper-4	Alternate Dispute Resolution

Paper-II (b) History-I (Major)

Paper-II(c) Economics-I (Major)

Paper-II(d) Sociology-I (Major)

Paper-II (e) English-I (Major)

The following subjects shall be compulsory:

Paper-III English-I

Paper-IV Socio Legal Research in Era of
Information Technology

Paper-V Law of Torts including Motor Vehicle

Paper-II (b) History-II (Major)

Paper-II (c) Economics -II (Major)

Paper-II (d) Sociology-II (Major)

Paper-II (e) English-II (Major)

The following subjects shall be compulsory:

Paper-III English-II

Paper-IV Legal Methods and Systems

Paper-V Jy

Subjects (optional)	Subjects (optional)
III (a) Hindi-II	III (a) Hindi-II
III (b) Punjabi-II	III (b) Punjabi-II
III (c) French-II	III (c) French-II
The following subjects shall be compulsory:	The following subjects shall be compulsory:
IV Indian Penal Code-I	IV Indian Penal Code-II
V Criminal Procedure-I	V Criminal Procedure-II
Opt any one of the following subjects	Opt any one of the following subjects
VI(a) Local Self Government	VI(a) Law Relating to Agriculture (common with Law and Agriculture)
VI(b) Interpretation of Statutes and Principles of Legislation	VI(b) Private International Law
VI(c) International Criminal Law and International Criminal Court	VI(c) Land Laws and Rent Laws
Semester -VII	Semester -VIII

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PANJAB UNIVERSITY SWAMI SARVANAND GIRI REGIONAL CENTRE UNA ROAD BAJWARA, HOSHIARPUR

ABOUT THE CENTRE

Keeping with its long tradition of pursuing excellence in teaching and research, Panjab University, Chandigarh established a Regional Centre in the Kandi area of Punjab to cater to the academic needs of the rural students of the region. Earlier known as Swami Sarvanand Giri Regional Centre, this campus was renamed as Panjab University Swami Sarvanand Giri Regional Centre in the year 2011. Spread in picturesque environment near Shivalik foothills, the centre is a landmark donation of infrastructure spread in 10.86 acres of lush green area in the land of saints (Hoshiarpur) by Dr. Lajpat Rai Munger. The Centre was started with an aim to provide innovation and pre-eminence in the fields of Engineering and Research, conforming to the standards of Panjab University, Chandigarh. The Centre has been reinstated with several branches like University Institute of Engineering and technology (UIET), Department of Computer Science and Applications (DCSA) and University Institute of Legal Studies (UILS).

University Institute of Engineering and Technology (UIET), PUSGRC, Hoshiarpur

UIET, Hoshiarpur offers Graduate Engineering programmes (self financing) in four branches i.e. Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Information Technology (ITE), and Mechanical Engineering (ME). The institute has well qualified faculty committed to both academics and research. Some of the teachers also own DST/CSIR funded/sponsored research projects. The centre has well equipped infrastructure, self sufficient state-of-the-art laboratories and workshops. The secured campus offers 100% hostel accommodation for both boys and girls with Wi-Fi facility, Health Centre, Cafeteria, 20 Mbps Internet Connectivity (being upgraded to 170 MBPS) with Optical fibre Backbone, buses for transportation, 24 hours uninterrupted power supply through hotline etc. Apart from academics, UIET also promotes interaction at various levels among the students, the faculty and the experts from industry as well as organizations through National level conferences, symposiums and seminar on regular basis. The department also has a rich collection of library books with latest edition.

For channelizing the energy of the students, the campus also has NSS, Gymnasium and all other necessary sports amenities. It also houses an air conditioned auditorium with a seating capacity of more than 300 persons for academic and several cultural activities.

FACULTY

Designation	Name	Field of Research Specialization
Professor	Harminder Singh Bains (Director)	Metal Matrix Composite : Production, Processing And Fabrication
Associate Professor	Manu Dogra	Machining and manufacturing
Assistant Professors	Meenu Bhagat	National language processing
	Jaswinder Singh	(Material characterization)
	Neeraj Sharma	Wireless communications
	Gurinder Singh	Solid state experimental and theoretical physics
	Vinay Arora	Linear algebra & differential equations
	Gurpreet Singh	Digital circuit & logic design
	Prabha Sharma	
	Naveen Dogra	Cloud computing
	Mandeep Singh Walia	Signal processing
	Suresh Kumar	Digital image processing, electronic devices and circuits
	Jaspal Singh	Power systems
	Suman	Power & system
	Harkamal Preet Singh	Composite material
	Satish Kumar	Solid mechanics, numerical methods wavelets, eem
	Aman Kaura	Physics chemistry
	Ankur Singh Kang	Digital signal processing
	Ravinder Kumar Pal	Renewable energy
	Sukhvinder Singh Bamber	Wireless sensor networks
	Abhishek Chauhan	Machine design
	Balwant Raj	Embedded systems , electronics

Temporary Faculty	Rajeev Kumar Dang	Manufacturing materials
	Gaurav Saini	Non-conventional machining & mechanical vibration
	Karwalpreet	Computer networks
	Ritika Arora	Network security
	Monika	Wireless communication
	Sukhpreet Kaur	Parallel computing
	Anish Sharma	Communication systems
	Gurpinder Singh	Computer network & mobile adhoc network (practical comparison)
	Harman Preet Kaur	Fiber optics digital signal proc.
	Divya Sharma	Cryptography & steganography
	Ajay Kumar Saini	Thermal barrier locating cfd engineering, thermal engineering
	Gurwinder Singh	Wear design
	Shama Pathania	Database mangement system

Paper-6	Computer Programming (MATLAB Programming for Engineers)	Paper-6	Digital Design
		Paper-7	Innovative Product Design- Summer Vacation Training (4 Weeks)
Semester -III		Semester -IV	
Paper-1	Electrical Science	Paper-1	Linear Algebra & Complex Analysis
Paper-2	Electromagnetic Theory	Paper-2	Communication Engineering
Paper-3	Signals and Systems	Paper-3	Microcontroller & Interfacing
Paper-4	Microprocessor and Applications	Paper-4	Communication Theory
Paper-5	Analog Electronic Circuits –II	Paper-5	Engineering Analysis and Design: Virtual Instrumentation
Paper-6	Elective (from Humanities and Social Sciences)	Paper-6	Computer Networks
Semester -V		Semester -VI	
Paper-1	VLSI Design	Paper-1	Microwave & Radar Engineering
Paper-2	Digital Signal Processing	Paper-2	Fiber Optic Communication Systems
Paper-3	Antennas & Wave Propagation	Paper-3	Digital Communication
Paper-4	Advanced Microprocessors	Paper-4	Departmental Elective Course-I (Data Structures & Algorithms, Satellite Communication, Audio and Visual Systems, Data Acquisition and Hardware Interfacing)
Paper-5	Digital System Design	Paper-5	Open Elective (Engineering Analysis and Design: Virtual Instrumentation, Neural Network and Fuzzy Logic, Microcontroller & Applications, Digital Image Processing, Analog & Digital Communication, Electronics Circuit Design)
Paper-6	Control Systems	Paper-6	Minor Specialization Course-I & II (Any Two) (Microcontroller & Application, Electronics Circuit Design, VLSI Design)
Paper-7	Summer Training	Paper-7	Departmental Honors Course-I & II (Any Two) (Information Theory & Coding, Low Power VLSI Design, Data Acquisition and Hardware Interfacing, Smart System Technologies)
Semester -VII		Semester -VIII	
Paper-1	Fiber Optic Communication Systems	(Any Two) (Digital Image Processing, Advanced Digital Communication, Neural Networks & Fuzzy Logic, Embedded System Design)	
Paper-2	Digital Signal Processing	Elective-IV & V (Any Two) (MEMS and Microsystems, Artificial Intelligence, Operation Research, Nano Technology, Satellite Communication)	
Paper-3	Wireless & Mobile Communication	Seminar-II	
Paper-4	Elective-I (Operating Systems, Radar Engineering, Web Technologies, Cyber Laws & IPR)	Project-II	
Paper-5		Option-2 :Industrial Training (6 Months)	
Paper-6	Seminar-I		
Paper-7	Project-I		
Paper-8	Summer Training		
B.E. (INFORMATION TECHNOLOGY)			
Semester –I		Semester -II	
Paper-1	Calculus	Paper-1	Differential Equations & Transforms
Paper-2	Introduction to Information Technology	Paper-2	Communication Skills

Paper-3 Paper-4 Paper-5 Paper-6	Introduction to Manufacturing Processes Applied Chemistry Communication Skills Introduction to Environmental Science	Paper-3 Paper-4 Paper-5 Paper-6 Paper-7	Physics Course 1 Engineering Mechanics Engineering Graphics Computer Programming (MATLAB Programming for Engineers) Innovative Product Design- Summer Vacation Training (4 Weeks)
Semester -III		Semester -IV	
Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6	Applied Thermodynamics-I Mechanics of Materials-I Theory of Machines-I Machine Drawing Manufacturing Processes Math-3	Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6	Applied Thermodynamics-II Mechanics of Materials-II Theory of Machines-II Numerical Analysis Manufacturing Technology- I Fluid Mechanics
Semester -V		Semester -VI	
Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6 Paper-7 Paper-8	Design of Machine Elements-I CAD/CAM (Computer Aided Design & Manufacturing) Robotics Mechanical Measurement Manufacturing Technology- II Fluid Machinery Vocational Training-1 (After IV th Semester) Principles of Designing (Optional)	Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6	Design of Machine Elements –II Finite Element Methods Mechanical Vibrations Heat Transfer Materials and Heat Treatment Non Conventional Manufacturing
Semester -VII		Semester -VIII Option-1	
Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6 Paper-7 MCA	Refrigeration and Air Conditioning Automatic Controls Automobile Engineering Total Quality Management Elective-I (Thermal Plant Engineering, Gas Dynamics, Renewable Energy Sources, Advanced Mechanics of Materials-I, Work Study, Mechanical Behavior of Materials-1, Vehicle Dynamic, Materials Design) Minor Project Vocational Training after 6th semester	Paper-1 Paper-2 Paper-3 Paper-4 Paper-5 Paper-6	Mechatronics Operation Research Computational Fluid Dynamics Fluid Dynamics Elective-II (Experimental Stress Analysis, Metrology, Mechanical Handling, Bearings and Lubrication, Plastic and Rubber Technology, Advanced Fluid Machinery, Production and Operations Management, Theory of elasticity & plasticity, Advanced Mechanics of Materials -2, Advances in Engineering Materials, Mechanical Behavior of Materials-2, Rotor Dynamics, Imaging And Additive Manufacturing,) Major Project Option-2 ;Industrial Training (6 Months)
Semester -I		Semester -II	
Paper-1 Paper-2	Computer Fundamentals & C Programming Computer Organization and Assembly Language	Paper-1 Paper-2	Data and File Structures (Using C) Object Oriented Programming (Through C++ and Java)

Paper-3	Data Base Management systems	Paper-3	Data Communication and Networks
Paper-4	Mathematical Structures for Computer Science (Elective-I)	Paper-4	Computer Oriented Numerical & Statistical Methods (Elective-III)
Paper-5	Linux Operating System (Elective-II)	Paper-5	Accounting and Financial Management (Elective-IV)
Semester -III		Semester -IV	
Paper-1	Software Engineering	Paper-1	Data Mining and Data Warehousing
Paper-2	Operating Systems	Paper-2	Interactive Computer Graphics
Paper-3	Analysis and Design of Algorithms	Paper-3	Theory of Computations
Paper-4	.NET Framework and C# (Elective V)	Paper-4	Artificial Intelligence (Using LISP) (Elective VII)
Paper-5	Relational Data Base Management Systems (Elective VI)	Paper-5	Advanced Java and Networking Programming (Elective-VIII)
Semester -V		Semester -VI	
Paper-1	Computer Based Optimization Techniques	Project Work (20 to 24 Weeks duration)	
Paper-2	Software Project Management		
Paper-3	Mobile Communication and Android Application Development (Elective IX)		
Paper-4	Soft Computing Techniques using Neural Networks (Elective X)		
Paper-6	Seminar		
B.A.L.L.B. (HONS.)			
Semester -I		Semester -II	
Group-I (Minor) - Political Science-I (Minor) OR Group-II (Minor) – Economics – I (Minor)		Group-I (Minor) - Political Science-II (Minor) OR Group-II (Minor) – Economics – II (Minor)	
Major (Optional)		Major (Optional)	
Paper-1	Political Science – I (Major)	Paper-1	Political Science – II (Major)
Paper-2	History –I (Major)	Paper-2	History –II (Major)
Paper-3	Economics – I (Major)	Paper-3	Economics – II (Major)
Paper-4	Sociology – I (Major)		

Paper-5 English- III (Major)

Compulsory

Paper-1 English-III

Paper-2 Public International Law

Paper-3 Constitutional Law-I

Paper-4 Family Law-I

Semester -V

Group-I (Minor) – History-II (Minor)

OR

Group-II (Minor) – Sociology-II (Minor)

Major (optional)

Paper-1 Political Science – V (Major)

Paper-2 History –V (Major)

Paper-3 Economics – V (Major)

Paper-4 Sociology – V (Major)

Paper-5 English- V (Major)

Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester)

Hindi-II Punjabi-II French-II

Compulsory

Paper-1 Indian Penal Code-I

Paper-2 Criminal Procedure-I

Paper-3 Opt any one of the following subjects:-

Paper-4 Local Self Government

Paper-5 Interpretation of Statutes and Principles of Legislation

Paper-6 International Criminal Law and International Criminal Court

Semester -VII

Major (optional)

Paper-1 Political Science – V (Major)

Paper-2 History –V (Major)

Paper-3 Economics – V (Major)

Paper-4 Sociology – V (Major)

Paper-5 English- V (Major)

Compulsory

Paper-1 Law of Property (Common with Property Law including Transfer of Property Act 1882)

Paper-2 Law of Evidence

Paper-3 Civil Procedure-I

Paper-5 English- IV (Major)

Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester)

Hindi-I Punjabi-I French-I

Compulsory

Paper-1 Administrative Law

Paper-2 Constitutional Law-II

Paper-3 Family Law-II

Semester -VI

Group-I (Minor) – History-III (Minor)

OR

Group-II (Minor) – Sociology-III (Minor)

Major (optional)

Paper-1 Political Science – VI (Major)

Paper-2 History –VI (Major)

Paper-3 Economics – VI (Major)

Paper-4 Sociology – VI (Major)

Paper-5 English- VI (Major)

Subjects (Optional Language Papers- Once selected will continue to be the same till VIth Semester)

Hindi-III Punjabi-III French-III

Compulsory

Paper-1 Indian Penal Code-II

Paper-2 Criminal Procedure-II

Paper-3 Opt any one of the following subjects:-

Paper-4 Law Relating to Agriculture (common with Law and Agriculture)

Paper-5 Private international Law

Paper-6 Land Laws and Rent Laws

Semester -VIII

Major (optional)

Paper-1 Political Science – VI (Major)

Paper-2 History –VI (Major)

Paper-3 Economics – VI (Major)

Paper-4 Sociology – VI (Major)

Paper-5 English- VI (Major)

Compulsory

Paper-1 Drafting, Pleading and Conveyance

Paper-2 Environmental Law

Paper-3 Civil Procedure including Limitation

Semester -IX		Semester -X	
Paper-1	Labour and Industrial Laws	Paper-1	Labour Laws and International Labour Organization
Paper-2	Moots and Practical Training (Common with Moots)	Paper-2	Information Technology Law
Paper-3	Forensic Science	Paper-3	Company Law
Paper-4	International Human Rights	Paper-4	Criminology, Penology and Victimology
Paper-5	Principles of Taxation Law	Paper-5	Intellectual Property Laws
L.L.B. (3 YEAR COURSE)			
Semester -I		Semester -II	
Paper-1	Jurisprudence-I	Paper-1	Jurisprudence-II
Paper-2	Constitutional Law- I	Paper-2	Constitutional Law- II
Paper-3	Law of Contract	Paper-3	Special Contracts
Paper-4	Family Law-I	Paper-4	Family Law-II
Paper-5	Law of Torts including Motor Vehicle Accidents and Consumer Protection Laws	Paper-5	International Human Rights and Public International Law
Semester -III		Semester -IV	
Paper-1	Law of Crimes-I	Paper-1	Law of Crimes-II
Paper-2	Property Law	Paper-2	Company Law
Paper-3	Labour Law	Paper-3	Administrative Law
Paper-4	Option: Any two of the following:- a) Information Technology Act & RTI Act b) Local Self government including Panchayat Administration c) International Organization and Humanitarian Law d) Penology and Victimology	Paper-4	Alternate Dispute Resolution Option: Any one of the following:- a) Law of Taxation b) International Labour Organization and Labour Laws
Semester -V		Semester -VI	
Paper-1	Law of Evidence	Paper-1	Environmental and Wild Life Protection Laws
Paper-2	Criminal Procedure Law	Paper-2	Civil Procedure Code and Limitation Act
Paper-3	Service Law	Paper-3	Professional Ethics and Professional Accountability
Paper-4	Drafting, Pleading and Conveyance	Paper-4	Moot Court Exercise and Internship
Paper-5	Option: Any one of the following:- a) Equity and Trust Law b) Private International Law	Paper-5	Option: Any one of the following:- a) Interpretation of Statute and Principle of Legislation b) IPR Management

THRUST AREAS: UIET: The major thrust areas of UIET are Material Sciences, Conventional Machining of Modern Materials, Wireless Sensor Network, Cloud computing, Cyber Crimes & Forensics, Cyber Security, Renewable Energy. **DCSA:-** The major thrust areas of DCSA are Image Processing & Pattern Recognition, Wireless Network Security. **UILS:-** The major thrust areas of UILS are Civil Law, Criminal Law, Constitutional Matters, Corporate Matters, Arbitration.

CAMPUS PLACEMENTS: The institute has commendable placement record with students getting placed in reputed companies like Infosys, SUFI, Net Solution, UNO Solution, Swipecubes Softs, Tata-Motors, Talwar & Talwar Consultants, smart Data, AZCOM and others. The campus has a proud alumni serving at good positions in various renowned organizations in India and abroad. Further, UIET has an MOU with Infosys under Campus Connect initiative programme and with TEXAS (USA) Instruments. We look forward to enhance the placement opportunities for our young engineering graduates by doing tie ups with more companies.

ALUMNI RELATIONS (CAMPUS): In order to maintain a continuous touch with the campus alumni, a committee comprising of faculty & students works throughout the year. The database of alumni having details in regard of Professional /Academic achievements is maintained continuously. The institute is planning to organise alumni meets at this campus in due course of time.

Central/State Govt. or awarded Tamra Patra by Government of India (Synd. Para 15 dated 30-5-1997) or those who have been certified to be freedom fighters by the Centre/State Govts.

- (ix) Any other statutory reservation as prescribed by the Govt. of India, if any.

(g) One Additional seat for Border Area Students

The Border area students shall mean those candidates who have passed their Matriculation and +2 examination from the Border Area Schools situated within 20 kilometres from the International Border. A candidate claiming such benefit will have to produce a certificate from the Tehsildar or the Principal/Headmaster/Head of the School certifying that the School from where the candidate has passed the matriculation and +2 examination, falls within the aforesaid Border area.

(h) One Additional Seat for Youth Festival

In all the teaching courses (except the courses governed by AICTE / NCTE / BCI / MCI / DCI etc.) being run in the Panjab University Campus including constituent colleges / regional centres, one additional seat is reserved per unit for those candidates who have excelled and outperformed by their participation in the Youth Festivals. The candidate availing the aforesaid facility must fulfil the eligibility condition for admission to the particular course. For those courses to which the admission is to be done on the basis of entrance test, the candidate must have passed the entrance test. The selection of such candidates for admission to various courses at PU Campus/ regional centres / constituent colleges, will be made by the respective admission committees. For recommending admission on the basis of youth festival participation, admission criterion will be fixed on the basis of merit as mentioned below and upon the verification of the original certificates of those candidate, who :

- (A) have presented an item in an international cultural festival approved by Punjab Govt. /Govt. of India / Panjab University.
- (B) have got distinction in All India National Inter University Youth Festival organized by AIU / Govt. of India
- (C) have got distinction in North Zone Inter University Youth Festival organized by AIU.
- (D) have secured first/second/third position in Inter University Youth Festival organized by Govt. of Punjab/ any State or Central University .
- (E) have secured first/second / third position in Panjab University Inter Zonal Festival.
- (F) have secured first /second /third position in Panjab University Zonal festival
- (G) have secured first/second/ third position in state level competition of State School Education Board of Punjab/ Haryana / HP/ or CBSE/ICSE or any other recognised board
 1. Category A is considered as highest category followed by B , C onwards .
 2. Preference will be given to the candidate who represented Panjab University Chandigarh in A, B, C and D category
 3. Achievement(s) only during the preceding 3 years of the year of the admission will be considered

In case two or more candidate have equal position at equal level then :

- i. Position secured in an individual item shall be rated higher as compared to as a team.
- ii. The eligibility of the candidate for participation in university youth festivals, in future, may also be considered.
- iii. Academic record may be considered in case of tie between two or more candidate.

In case of any ambiguity, the related certificates be got verified from the Department of Youth Welfare through the concerned Chairperson / Principal / Head etc.

The candidate admitted on the basis of youth festival additional quota seats shall have to give an assurance to the university authorities that during the duration of the course the candidate will participate in the activities associated with his item and will not create any kind of indiscipline. The admission committee will assess the participation of the candidate and in case the candidate does not fulfill the requirements, his admission may be cancelled. However, exemption can be given because of a special reason like sickness or any other unavoidable reason in inter varisty Youth Festivals, National Festivals and International Festivals.

(i) Non-Resident Indian (NRI)

Only the following categories of students or candidates will be eligible or entitled for consideration for admission in the NRI Quota:

- i) Persons of Indian Origin who are citizens of countries other than India and hold the passport of the country concerned.

time to time and in the Handbook of Information 2017. For such courses admission to which is based wholly or in part on an entrance test/aptitude test, eligibility shall also mean the candidate's having taken the test and qualified it.

3.1 The following are not eligible for admission to M.A. courses in the Faculties of Arts and Languages:

- a) If a student fails to pass M.A. Part/Semester-I or fails to appear in the examination even though he/she had requisite attendance, he/she be not allowed to seek re-admission in the Department for M.A. Part/Semester-

and the merit list shall be prepared as per these Rules.

The basis for preparation of the provisional merit list shall be as follows:

Marks of other Universities will be normalized to 2400 marks which are 3 years aggregate marks of B.A./B.Sc. (Gen.) of Panjab University. Similarly marks obtained by the candidates in the relevant subject will be normalized to 600 marks which is the total of 3 years aggregate marks of B.A./B.Sc. (Gen.) of elective subjects of Panjab University. The normalization procedure is explained below:-

- (a) The marks obtained by a candidate in B.A./B.Sc. will be normalized on the basis of an aggregate. For example, if a student has scored 495 marks out of total of 900 marks in B.A./B.Sc., his normalized aggregate marks (out of 2400) would be :- $495 \times 2400/900 = 1320$ out of 2400

These marks will be denoted by **X** and called the **Basic Merit Marks**.

- (b) The marks in the relevant subject (i.e., the subject in which the admission is sought) will be normalized by changing the marks allotted to the relevant subject to 600 in order to give advantage of the subject to a candidate. For example, if a candidate has obtained 240 marks out of 300 in the relevant subject, then the normalized marks in the subject would be : $240 \times 600/300 = 480$ out of 600

These may be denoted by **Y**.

Some universities award B.A./B.Sc. degree on the basis of aggregate marks of B.A./B.Sc. 2nd and 3rd years. In that case the aggregate marks and the marks of the relevant subject in which the applicant is seeking admission, will be



where R is the rank of the candidate in the merit list of that stream and N is the total number of candidates appeared in

- (ii) For making 4 students literate : Credit point=0.65%
 (iii) For making more than 4 students literate : Credit point=1.00%

Persons claiming credit on this account will obtain the desired certificates from the Director, Centre for Adult Continuing Education, Panjab University, Chandigarh.

(Vide Syndicate Para 16, dated 16-5-1987)

C. Any other weightage approved by the D.U.I./Vice-Chancellor.

A candidate can claim weightage in one or more categories given above. However, the total weightages allowed shall not exceed 9% of the normalized marks obtained in qualifying examination.

These weightages shall not be used for determining eligibility for admission as prescribed under the Regulations of each course.

11.2. Additional weightages will be available to the following categories of candidates as indicated :

(i) M.P.Ed.

- | | |
|--|----------|
| a) A person getting any of the first three positions in the Olympic/World Game/ Commonwealth Game/ World Cup Tournaments /Asian Games. | 50 marks |
| b) A person representing India in the above said games/Tournaments | 40 marks |
| c) A person representing India in official test matches abroad and within the country | 30 marks |
| d) 1 st position in All India Inter-University/Senior National approved games competition conducted by the respective Federations | 20 marks |
| e) 2 nd position in the above said competitions. | 15 marks |
| f) 3 rd position in the above said competitions | 10 marks |
| g) 1 st position in Zonal Inter-University competitions | 9 marks |
| h) 2 nd position in the above said competitions | 8 marks |
| i) 3 rd position in the above said competitions | 7 marks |

(ii) B.P.Ed.

- | | |
|--|----------|
| a) A person getting any of the first three positions in the Olympic/World Games/ Commonwealth Game/ World Cup Tournaments/ Asian Games. | 50 marks |
| b) A person representing India in the above said games/Tournaments. | 40 marks |
| c) A person representing India in official test matches aboard and within the country | 30 marks |
| d) 1 st position in All India Inter-University/Senior National approved Games/ competition conducted by the respective Federations. | 20 marks |
| e) 2 nd position in the above said competitions. | 15 marks |
| f) 3 rd position in the above said competitions. | 10 marks |
| g) 1 st position in the Zonal Inter-University competitions | 9 marks |
| h) 2 nd position in the above said competitions | 8 marks |
| i) 3 rd position in the above said competitions | 7 marks |
| j) 1 st position in the Inter College/State approved Games/ competitions | 6 marks |
| k) 2 nd position in the above said competitions. | 5 marks |
| l) 3 rd position in the above said competitions. | 4 marks |

Note: Only one highest admissible position will be considered for giving Weightage listed above.

12. Resolving of ties:

In the case of a tie at any stage in the preparation of the merit list, candidates securing equal marks will be bracketed together. Their inter-se-merit will be determined according to the following criteria:

- (i) A candidate getting higher percentage of marks in the qualifying examination shall rank higher in order of merit.
- (ii) That if the marks in qualifying examination are also the same then the candidates obtaining more marks in the immediate lower examination, shall rank higher in order of merit.

Instruction and the counting of attendance for the purpose of calculation of shortage of lectures will be made from the above-said notified date of start of teaching. If the candidate, whose result of lower semester/class has not been declared, seeks the provisional admission after the start of teaching, his/her attendance will be counted from the notified date of start of teaching and not from the date on which he/she seeks provisional admission. The candidate after the declaration of result of lower semester/ class will have to deposit the due fees within ten days of such declaration in order to get his/her admission confirmed.

(Syndicate Para No. xliii of 30.04.2017)

16. Revision of Merit and placement of applicants:

The requirements of Rule 13 for physical presence and marking of attendance in the counselling(s) will not be applicable to a candidate whose result has been declared late. However, requirements of Rule 13 shall become operative after this, i.e., the candidate will have to mark his/her attendance in the Counselling.

A candidate whose merit is revised consequent upon the late declaration of result after the conclusion of counselling, and his/her revised merit falls among the selected candidates in the category-wise Merit List, his/her name be placed at the top of the Waiting List.

(Syndicate Para 40, dated 12-3-2005)

17. Rejection of incomplete Admission Form:

The Board of Control/Committee of Board of Control/Joint Admission Cell shall reject the Admission Form which it

fields and recommend admission on the basis of their performance as per P.U. rules and Schedule of Trials given in **Annexure-V**. Only such candidate will be allowed to appear for the actual sports trials, whose application is found in conformity with the requirements/qualifications mentioned in the Guidelines by the Campus Sports Department. Candidates are to appear for sports trials in proper sports kit with all the original sports certificates and required academic certificates.

6. The Campus Sports Department, Panjab University, shall take an undertaking (**Annexure-VI**) from the candidates that they will attend the grounds regularly and must have 75% attendance in the sports ground and would also participate in the Inter College, Inter University, State, National and International sports tournaments. Their admission should be liable to be cancelled if the terms of the undertaking thus given are not adhered to.
7. The order of precedence in the selection of candidates for admission will be as per **Annexure-IV**.
 - i) A candidate falling under category 'A' shall be placed higher in merit than a candidate falling under category 'B'. Similarly, a candidate falling under category 'B' shall be placed higher in merit than a candidate falling under category 'C' and so on.
 - ii) Likewise, within each category a candidate falling in category 'A' (1) will be placed higher in merit than a candidate falling in category 'A' (2) and so on.
 - iii) A candidate who attains first position in a competition shall be rated higher in merit than the one who gets second position in a competition of the same level. Similarly, second position will be rated higher in merit than the third in the same level of competition and so on.

ANNEXURE-III**PROCEDURE OF SPORTS TRIALS****1. General Fitness Test**

It is essential for the candidates to qualify **any one** of the following Fitness Test items for considerations of admission in Archery, Chess, E-Sports, Shooting and any two of the following fitness test items for consideration of admission in other games/sports as per the following standards.

- | | | | |
|----|------------------|--|----------------------|
| 1. | Strength | Standing Broad Jump
1.65 mts. for Men
1.15 mts. for Women | Two attempts allowed |
| 2. | Endurance | 1000 mts. Run/Walk
5.00 minutes for Men
6.00 minutes for Women | One attempt allowed |
| 3. | Speed | 50 mts. Dash
8.00 sec. for Men
9.00 sec. for Women | One attempt allowed |

Note: it is essential to qualify in the General Fitness Test for appearing in the Sports Performance Test.

2. **Sports Performance Test** in the concerned game.
3. **No Physical Fitness Test** for specially challenged candidates/players.
4. **All the candidates** are to appear in the sports trials with proper sports kit and equipment of the concerned game.

ANNEXURE-IV**GRADING CRITERIA FOR SPORTS MERIT**

Note: – Tournaments/Championships other than Inter University/Inter College/Inter School will be considered for Gradation provided they are recognized by International Olympic Committee/ Indian Olympic Association/respective National Federation / State Association / BCCI / SGFI /

- B-4:** A person representing Indian team in other International Tournaments recognized by IOA/ SGFI/MYAS/BCCI
- B-5:** A person getting any of the first three positions in the National games.
- B-6:** A person getting any of the first three positions in the All India Inter University Tournaments / Senior National Championships / Inter State Tournament for Senior / Vizzy Trophy Tournament.
- B-7:** A person getting any of the first three positions in the National Championships for Junior/Youth/Schools conducted by recognized National Federation/ SGFI (School Games Federation of India).
- B-8:** A person getting any of the first three positions in the Federation Cup for Seniors.
- B-9:** A person getting any of the first three positions in the National Women Sports Festival.
- B-10:** A person getting any of the first three positions in the Nehru Cup (For Hockey only).
- B-11:** A person getting any of the first three positions in the Zonal Inter University Meet or Championship.
- B-12:** A person getting any of the first three positions in the National Zonal Meet or Championship for Senior (the Zonal tournament will be considered if at least 5 teams participated in the same)
- B-13:** A person getting any of the first three positions in the National Zonal Meet or Championship for Junior (the Zonal tournament will be considered if at least 5 teams participated in the same)

CATEGORY 'C'

- C-1:** A person included in the State/Union Territory teams in the National Games.
- C-2:** A person included in the All India Inter University Tournaments/Senior National Championships/Inter State Tournament for Senior / Vizzy Trophy Tournament.
- C-3:** A person included in the State/Union Territory Junior/Youth/Cadet teams in the National Championships or State/Union Territory School/CBSE/Kendriya Vidyalaya Sangathan/Navodya Vidyalaya/ICSC/IPSC teams in the National School Games conducted by SGFI (School Games Federation of India).
- C-4:** A person included in the State/Union Territory teams in Federation Cup for Seniors.
- C-5:** A person included in the State/Union Territory teams in the National Women Sports Festival.
- C-6:** A person included in the Nehru Cup (For Hockey only).
- C-7:** A person included in the National Zonal Meet or Championship for Senior/Zonal Inter University Championship (the Zonal tournament will be considered if at least 5 teams participated in the same).
- C-8:** A person getting any of the first three positions in All India inter-Professional University Sports Meet of Agriculture, Law, Medicine, Technical and Management Universities.
- C-9:** A person included in the Professional University team in Inter-Professional Tournaments.
- C-10:** A person getting any of the first three positions in the Inter College Tournaments other than Professional Universities.
- C-11:** A person getting any of the first three positions in the Inter College tournaments of Professional Universities/ Inter-Distt. / Union Territory Championships for Seniors / State Junior/Youth/School Games / Union Territory Championships for Juniors.

CATEGORY 'D'

- D-1:** A person getting any of the first three positions in the University 'B' Division and 'C' Division Inter College Tournaments.
- D-2:** A person getting any of the first three positions in the Residential University/P.U. Campus Championships or Tournaments.

Note: The certificates not mentioning the level of tournament i.e. Senior / Junior / Youth / Schools will be considered as per the following age criteria:

1. Under 14..... Sub-Junior
2. Under 17..... Junior
3. Under 19..... Youth
4. Above 19..... Senior

* BCCI: Board of Control for Cricket in India

* SGFI: School Games Federation of India

* MYAS: Ministry of Youth Affairs & Sports

ANNEXURE-VI

UNDERTAKING FOR ATTENDANCE IN SPORTS GROUND

2017

B. BACKWARD CLASS CERTIFICATE

(Persons belonging to OBC/SBC will not be considered under this category)

Certificate/Despatch No. _____

Dated _____

D. CERTIFICATE OF CHILDREN/GRANDCHILDREN OF FREEDOM FIGHTER

Despatch No.: _____

Dated: _____

Certified that Mr./Ms. _____ son/daughter of Shri _____ is child/grandchild of a Tamrapatra Holder/Freedom Fighter Pensioner drawing his pension from _____ Treasury.

Date

Seal

Signature of the Deputy Commissioner

E. CERTIFICATE FOR ONLY GIRL CHILD/ONE OUT OF TWO GIRL CHILDREN

We, _____ (father) and _____ (mother) of Miss _____ (full address to be given) resident of House No. _____ Street/ Sector _____ Town/City/ Village _____ District/State _____ do hereby solemnly declare and affirm as under :-

1. That we are citizens of India.
2. That Miss _____ born on _____ is our girl child.
3. That we have no male child.
1. That we have the following only two girls including the one whose name figures at point no 2 children and none else :

(i) Name _____	(i) Name _____
(ii) Sex _____	(ii) Sex _____
(iii) Date of Birth _____	(iii) Date of Birth _____
2. That none of the above mentioned two girl children has obtained/availed the benefit granted under this category, in this University/Institute including its affiliated colleges.

Signature
(Father)

Signature
(Mother)

Place:

Dated:

NOTE: Who can apply under this category?

Single Girl Child

OR

One Girl Child out of only Two Girl Children*.

* Clarification: This Seat shall not be available for:-

- i) Those having three or more girl children.
- ii) Those having any male child.

F. CERTIFICATE BY THE CANDIDATE FROM BORDER AREA SCHOOL

No.

Dated:

Certified that Mr. / Ms. _____ son / daughter of Sh. _____ and Smt. _____ resident of _____ has passed the Matriculation and +2 from school(s) that is situated within 20 kms from the International Border.

It is further certified that Mr. / Ms. _____ has studied for _____ year(s) in the institution(s) that is situated within 20 kms from the International Border, as per date of joining and leaving school as given below :-

	Name of School	Date of joining	Date of leaving
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

Place:

Seal and Signature

Date:

(Tehsildar / Principal / Headmaster)

G. CERTIFICATE BY THE CANDIDATE FROM RURAL AREA SCHOOL

No. _____

Dated: _____

Certified that Mr./Ms. _____ son/daughter of Sh. _____ and Smt. _____ resident of _____ has passed the matriculation and +2 examination from Rural School(s) that does not fall in the area of the Municipal Corporation/Municipal Committee/Small Town/Notified Area/Cantonment Area and has studied in a rural area school for at least five years before passing +2 examination.

	Name of School	Date of joining	Date of leaving
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____

Place:

Seal and Signature

Date:

(D.E.O / Principal)

H. MEDICAL EXAMINATION FORM

(The medical examination will be conducted by any Govt. Gazetted Officer/Medical Officer at BGJH)

(Items Nos. from 1 to 8 below to be filled in by the candidate)

1. Name of the candidate _____
2. Father's Name _____
3. Mother's Name _____
4. Date of Birth _____
5. Department (in which admission is being sought) _____
6. University Receipt for Medical Examination Fee
No. _____ Date _____ Rs. _____
7. Roll No. (allotted by the Department):
8. History of any previous or existing illness: Yes/No (If yes, mention details)
 - I. Like Epilepsy(Seizures), Hypertension, Bronchitis, Bronchial Asthma, Tuberculosis, Rheumatic Heart Disease, Diabetes etc.: Yes/No
 - II. History of any operation/Surgery : Yes/No

**FORM OF CERTIFICATE RECOMMENDED FOR LEAVE OR EXTENSION OR COMMUNICATION
OF LEAVE AND FOR FITNESS**

Signature of patient

Or thumb impression _____

To be filled in by the applicant in the presence of the Government Medical Attendant or Medical Practitioner (with qualifications-MBBS or above)

Identification marks:-

- a. _____
- b. _____

I, Dr. _____ after careful examination of the case certify hereby that _____ whose signature is given above is suffering from _____ and I consider that a period of absence from duty of _____ with effect from _____ is absolutely necessary for the restoration of his health.

I, Dr. _____ after careful examination of the case certify hereby that _____ on restoration of health is now fit of join service.

Signature of Medical attendant

Registration No. _____

(MBBS or above with Mobile #)

Note:- The nature and probable duration of the illness should also be specified. This certificate must be accompanied by a brief resume of the case giving the nature of the illness, its symptoms, causes and duration.

FORMAT FOR MEDICAL RECORD

Name of the patient:

Age:

Sex:

Address:

Occupation:

Date of 1st visit:

Clinical note (summary) of the case:

Prov. : Diagnosis :

Investigations advised with reports:

Diagnosis after Investigation:

Advice:

Follow up

Date:

Observations:

Signature in full _____

Name of Treating Physician

(MBBS or above with Mobile #)

Important Note:- Under this category of Physically Challenged, persons only with Permanent Physical Disability (PPD) will be considered. Candidates with temporary physical disability will not be eligible for applying under this category.

**COPY OF CERTIFICATE OF PHYSICALLY CHALLENGED CATEGORY FOR APPLYING FOR
ADMISSION**

(Detailed information is available at Ministry of Social Justice and Empowerment, Government of India website: www.socialjustice.nic.in as per PART-II Section 3, sub-section (i) Notification as amended on 30th December, 2009 for persons with disability

(Equal Opportunities and full participation Rules, 1996) (Copies of Form-I, Form-II, Form-III and Form-IV, attached).

(ii) If yes, details:

a. Authority to whom and district in which applied

b. Result of application

13. Have you ever been issued a disability certificate in the past? If yes, please enclose a true copy.

Declaration: I hereby declare that all particulars stated above are true to the best of my knowledge and belief, and no material information has been concealed or misstated. I further, state that if any inaccuracy is detected in the application, I shall be liable to forfeiture of any benefits derived and other action as per law.

(Signature or left thumb impression of person with disability, or of his/her legal guardian in case of persons with mental retardation, autism, cerebral palsy and multiple disabilities)

Date:

Place:

Encl:

3. Proof of residence (Please tick as applicable)

- a. ration card,
- b. voter identity card,
- c. driving license,
- d. bank passbook,
- e. PAN card,
- f. Passport,
- g. Telephone, electricity, water and any other utility bill indicating the address of the applicant,
- h. A certificate of residence issued by a Panchayat, municipality, cantonment board, any gazette officer, or the concerned Patwari or Head Master of a Govt. school,
- i. In case of an inmate of a residential institution for persons with disabilities, destitute, mentally ill, etc., a certificate of residence from the head of such institution.

4. Two recent passport size photographs

(For office use only)

Date:

Place:

Signature of issuing authority

Stamp

**Form-III
Disability Certificate**

(In case of multiple disabilities)

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

Recent pp size
Attested
Photograph
(showing face
only) of the person
with disability

Certificate No. _____

Date: _____

This is to certify that we have carefully examined Shri/Smt./Kum. _____ son/wife/daughter of Shri _____ Date of Birth (DD/ MM/ YY) _____ Age _____ years, male/female, Registration No. _____ permanent resident of House No. _____ Ward/Village/Street _____ Post Office _____, District _____, State _____, whose photograph is affixed above, and are satisfied that:

(A) He/she is a case of **Multiple Disability**. His/her extent of permanent physical impairment/disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

Sr. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/ mental disability (in %)
1.	Locomotor disability	@		
2.	Low vision	#		
3.	Blindness	Both Eyes		
4.	Hearing impairment	£		
5.	Mental retardation	X		
6.	Mental-illness	X		

(B) In the light of the above, his/her over all permanent physical impairment as per guidelines (to be specified), is as follows:-

In figures:- _____ percent

In words:- _____ percent

2. This condition is progressive/non-progressive/likely to improve/not likely to improve.

3. Reassessment of disability is:

(i) not necessary.

Or

(ii) is recommended/after _____ years _____ months, and therefore, this certificate shall be valid till (DD / MM /YY) _____

@ - e.g. Left/Right/both arms/legs

- e.g. Single eye/both eyes

£ - e.g. Left/Right/both ears

4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing certificate
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5. Signature and seal of the Medical Authority

Name and seal of Member

Name and seal of Member

Name and seal of the Chairperson

Signature/Thumb impression of the person in whose favour disability certificate is issued.

**Photograph
To be attested by**

